



ADHESIVE SOLUTIONS

Enabling the Future of the Electronics Industry 2021

ABOUT US



Qualified Experience and Individual Support

As a leading adhesive manufacturer in the electronics industry, we offer a wide range of customized adhesive tapes for smartphones, tablets, and other electronic devices. We are working continuously to develop new products to better serve you and your customers in this fast-moving and innovative industry.

You and your suppliers are our priority. Our team of experts – from sales offices, R&D centers, and manufacturing facilities - is globally available to support our customers locally. Particularly, our Customer Solution Center with its technical experts is there to offer you the individual support you need. Our state-of-the-art facility with extensive equipments are at your disposal to find the adhesive solution for your need.

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YOUR COMPLETE PARTNER

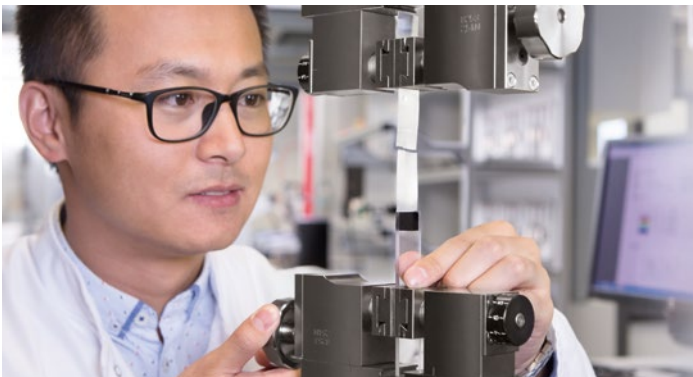
Solutions that Go Beyond Tape

Every project comes with new and individual challenges. We overcome these challenges by partnering with you to create unique and specialized products that meet and exceed your customers' expectation. Our capability goes beyond tape as we also offer a comprehensive technical product package.



Our labs and technical experts

With our extensive experiences in adhesive technology, we have developed a large portfolio of adhesive products for the electronics applications. Our technical experts will support you throughout your entire product development process and help you find the optimal solution for your requirement.



On-site support

We provide individual project support backed up by application engineers and research and development resources. Our technical experts in our Customer Solution Center offer on-site support and evaluation of your individual application under laboratory conditions.



Contact us

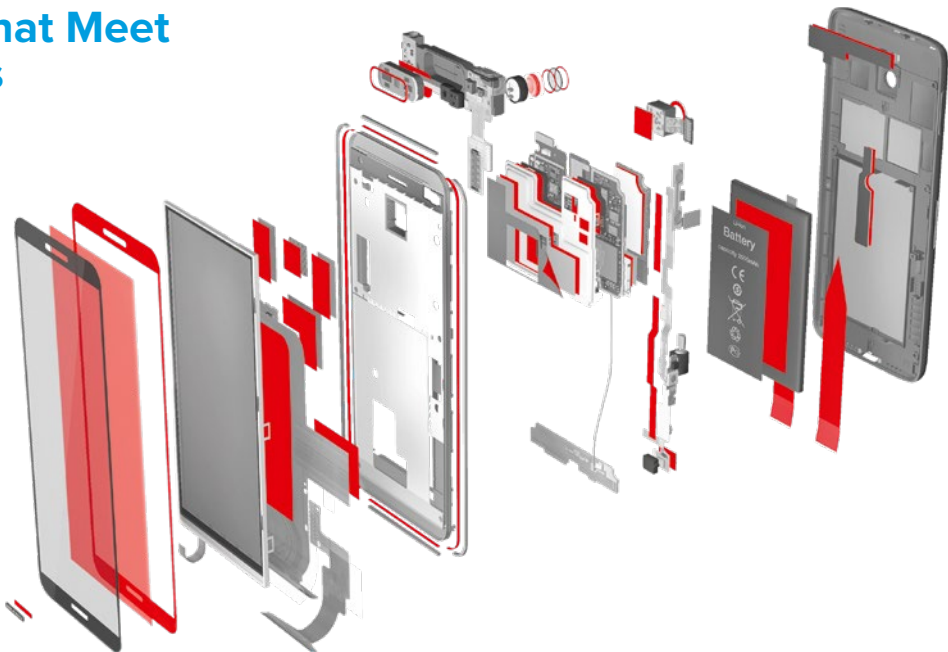
Our local experts and engineers are just a phone call away to support you with:

- Process-simulation studies
- Assistance at your manufacturing site
- State-of-the-art testing equipment
- Tests under a wide range of environmental conditions
- Customized tests with customer substrates

Contact us and benefit from a strong partnership.

TAPES FOR YOUR SUCCESS

Solutions that Meet Your Needs



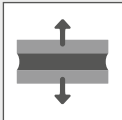
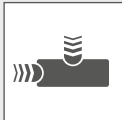
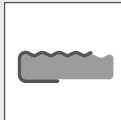
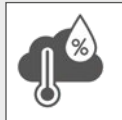
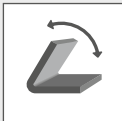
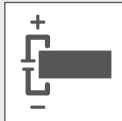
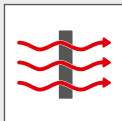
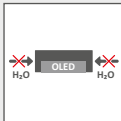
Tape solutions for smartphones

Our products have proven track record in multiple applications and different devices over the last 20 years in the electronics industry. In this brochure we present an assortment of the most significant tapes from our portfolio. We divide them into the following categories:

- **Mounting Solutions**
- **Functional Solutions**
- **Display Lamination Solutions**

As each project has specific requirements, we will offer tailored solutions to the application. Our mission is to provide you with the best solution. Please contact our local representative to discuss in detail.

Features of Our Tapes

 Bonding performance	 Impact resistance	 Residue-free removal	 Anti-repulsion	 LSE performance	 Reliability	 Chemical resistance
 Conformable	 Electrically conductive	 Thermal Management	 Moisture-blocking	 Outgassing resistance	... and many more	



MOUNTING SOLUTIONS

- Double-sided Film Tapes
- Impact-resistant Foam Tapes
- Bond & Detach®
- Structural Bonding Solutions

DOUBLE-SIDED FILM TAPES



High Performance Profile

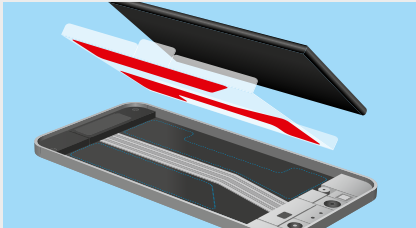
When mobile phones became available to the mass market in the 1990s, tesa was already part of this success story with its double-sided film tapes. Since then, our adhesive solutions have continued to develop in line with the steadily increasing requirements of the electronics industry. Our many years of experience in close proximity to our customers led to the development of dedicated adhesive systems for a wide range of applications. Today, our high performance profile tapes are

the spearhead of our film tapes assortment. All series in this category are characterized by **superior bonding performance**, which is expressed in peel adhesion, push-out and shear resistance, and **high impact resistance**. Therefore, these series are used for demanding applications like lens or battery mounting. The PET backings used in these series provide a **very good die-cuttability**.

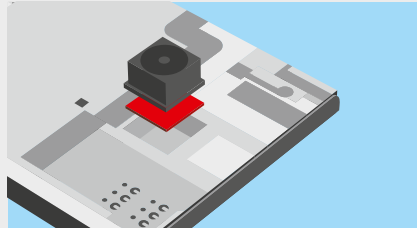
Typical applications of our high-performance film tapes



Lens and touch panel mounting



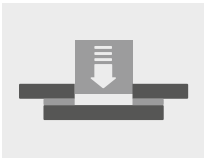
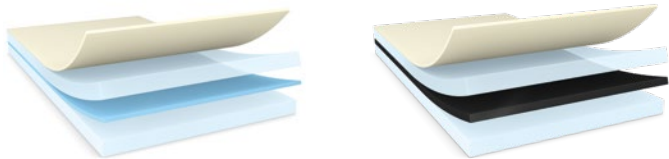
Battery mounting



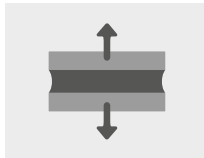
Component mounting

tesa® 613xx

Our 613xx series offers excellent bonding strength, and a superior push-out performance. With the transparent or black PET backing tesa® 613xx guarantees efficient handling in converting processes.



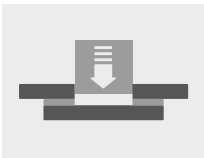
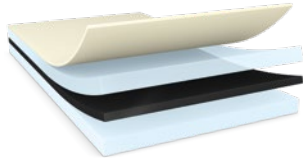
Push-out



High bonding

tesa® 618xx

For the tesa® 618xx series an advanced acrylic blend adhesive with excellent push-out and shock performance on different surfaces is used. tesa® 618xx also shows a very good bonding performance on LSE substrates. The black PET backing allows good handling in converting processes and easy detection of die-cuts.



Push-out



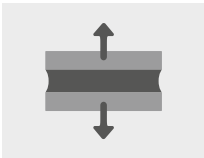
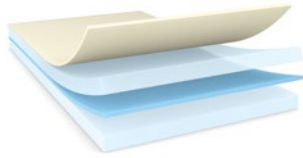
Impact resistance



LSE performance

tesa® 6896x

Our tesa® 6896x offers outstanding bonding strength with various substrates including LSE substrates and very good shear resistance. The 6896x series also has a very good anti-repulsion performance, quick-bonding property and is easy to activate in production process.



High bonding



Quick bonding

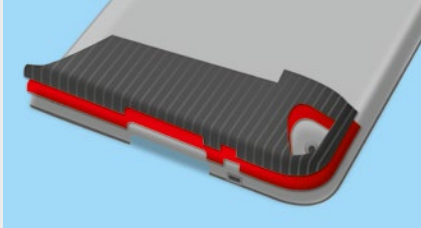


LSE performance

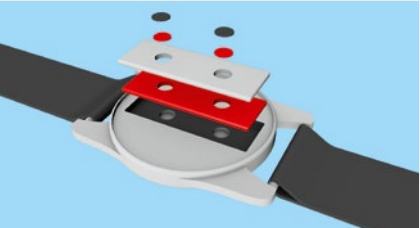
Specialized Performance Profile

With this assortment, we created double-sided mounting tapes with unique adhesives focusing on the special requirements of certain applications in the electronics industry. Each series within this assortment focuses on a specific property needed in the market. In this section you will find a selection of specialized film tapes. Our capabilities go beyond what is available here, and please contact our local representatives to discuss further.

Typical applications of our specialized film tapes







Our specialized film tape solutions are suitable for applications with a high demand for a certain property like anti-repulsion, differential bonding performance, chemical resistance, reworkability, or light-blocking. These tapes are suitable for a wide range of applications, from mounting (e.g., FPC, antenna, keypad, sensor) to processing and packaging applications.

tesa® 6693x **NEW**

A special repulsion-resistant adhesive makes our 6693x series the perfect solution to bond on curved surfaces even under harsh environmental conditions. Easy to activate during assembly process.



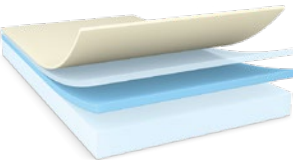
Anti-repulsion



Easy activation

tesa® 615xx

The 615xx series is a special differential PET tape, with a silicone adhesive on the one side and an acrylic adhesive on the other side. The silicone side allows very good tack and mounting performance to different silicone or silicone-containing substrates.



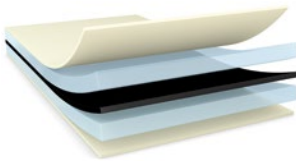
Si/Ac differential



LSE performance

tesa® 612xx/6128x

Our tesa® 612xx series has a special adhesive with very good chemical resistance properties against most polar and non-polar chemicals. It also offers reliable adhesive performance on many different substrates. With comparable adhesive properties, the second generation tesa® 6128x provides chemical resistance to even more substances and increased shear performance.



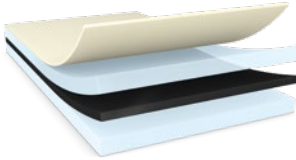
Chemical resistance



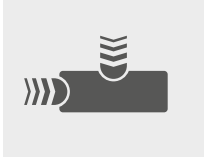
Shear resistance

tesa® 6881x **NEW**

The new tesa® 6881x is a double-sided PET tape with a high tack and excellent performance on LSE surfaces. It shows a high peel adhesion on polar and non-polar surfaces and guarantees a high level of shock performance.



LSE performance



Impact resistance

Can't Find the Right Solution?

We have more options available in our portfolio and by partnering with you we can create unique and specialized products that meet your individual demands.

Simply write to us or contact your local representative.

electronics@tesa.com

Well-balanced Performance Profile

tesa balanced performance film tapes are a proven solution for mounting and lamination applications in the electronics industry. The balanced adhesive provides **very good tack** and **bonding performance** for many general applications. The PET backing used enables **easy handling** of the tape during converting and manufacturing processes. With thicknesses from 5 µm to 250 µm this assortment offers a broad range and high flexibility to you.

Typical applications of our balanced film tapes



This assortment is widely used in the electronics industry for versatile mounting and lamination applications as well as for cushioning and gasket material bonding.

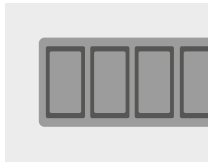
tesa® 49xx/519xx

Our 49xx/519xx series enjoy an excellent reputation in the market. The overall bonding performance of these series is well-balanced and therefore suitable for a wide range of applications.

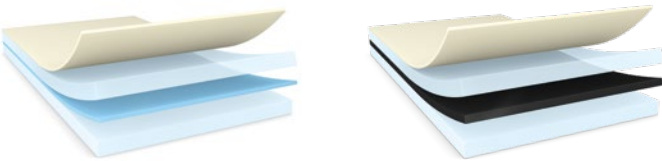
Furthermore, the flexible PET backing provides good wetting behavior, fiber-free die-cutting, and good dimensional stability.



Balanced properties



Good die-cutting



Can't
Find the
Right
Solution?

We have more options available in our portfolio and by partnering with you we can create unique and specialized products that meet your individual demands.

**Simply write to us or contact
your local representative.**

electronics@tesa.com



ASSORTMENT OVERVIEW

Double-sided Film Tapes

Series	Product	Thickness [µm]	Color	Adhesive	Backing	Peel adhesion [N/cm; initial/ultimate]	Push-out [N]	DuPont [J; xy/z]	Product description
						SUS			
tesa® 613xx	tesa® 61305	50	Transparent	Modified acrylic	PET	10.3/12.9	250	0.5/0.2	Push-out resistant, high bonding
	tesa® 61360	100	Transparent	Modified acrylic	PET	11.9/16.5	250	0.5/0.2	Push-out resistant, high bonding
	tesa® 61370	125	Transparent	Modified acrylic	PET	12.5/15.2	260	0.6/0.2	Push-out resistant, high bonding
	tesa® 61380	150	Transparent	Modified acrylic	PET	12.8/15.7	220	0.7/0.2	Push-out resistant, high bonding
	tesa® 61390	200	Transparent	Modified acrylic	PET	13.0/15.8	200	0.7/0.2	Push-out resistant, high bonding
	tesa® 61350	50	Black	Modified acrylic	PET	9.6/12.7	255	0.5/0.2	Push-out resistant, high bonding
	tesa® 61365	100	Black	Modified acrylic	PET	11.9/16.5	250	0.5/0.2	Push-out resistant, high bonding
	tesa® 61375	125	Black	Modified acrylic	PET	12.5/15.2	260	0.6/0.2	Push-out resistant, high bonding
	tesa® 61385	150	Black	Modified acrylic	PET	12.8/15.7	220	0.7/0.2	Push-out resistant, high bonding
	tesa® 61335	200	Black	Modified acrylic	PET	14.3/18.6	250	0.6/0.2	Push-out resistant, high bonding
	tesa® 61395	200	Black	Modified acrylic	PET	13.0/15.8	200	0.7/0.2	Push-out resistant, high bonding
	tesa® 61345	230	Black	Modified acrylic	PET	16.0/17.0	210	0.7/0.2	Push-out resistant, high bonding
	tesa® 61325	250	Black	Modified acrylic	PET	16.2/19.2	210	0.8/0.2	Push-out resistant, high bonding
	tesa® 61315	300	Black	Modified acrylic	PET	21.0/24.0	200	0.9/0.2	Push-out resistant, high bonding
tesa® 618xx	tesa® 61865	100	Black	Modified acrylic	PET	11.0/12.0	240	0.7/0.3	Push-out resistant, impact-resistant, LSE performance
	tesa® 61885	150	Black	Modified acrylic	PET	13.5/14.0	230	1.0/0.3	Push-out resistant, impact-resistant, LSE performance
	tesa® 61895	200	Black	Modified acrylic	PET	14.0/15.0	210	1.2/0.4	Push-out resistant, impact-resistant, LSE performance
	tesa® 61825	250	Black	Modified acrylic	PET	17.0/15.0	230	1.2/0.4	Push-out resistant, impact-resistant, LSE performance
	tesa® 61815	300	Black	Modified acrylic	PET	20.0/21.0	240	1.2/0.4	Push-out resistant, impact-resistant, LSE performance
tesa® 6896x	tesa® 68960	30	Transparent	Specialty	PET	9.5/9.8	193	0.3/0.2	High peel adhesion, quick bonding, LSE performance
	tesa® 68962	50	Transparent	Specialty	PET	12.1/12.5	278	0.5/0.3	High peel adhesion, quick bonding, LSE performance
	tesa® 68964	100	Transparent	Specialty	PET	17.0/17.5	255	0.7/0.6	High peel adhesion, quick bonding, LSE performance
tesa® 6693x	tesa® 66930	30	Transparent	Modified acrylic	PET	6.1/8.0	130	0.3/0.09	Repulsion resistant, easy to activate
	tesa® 66932	50	Transparent	Modified acrylic	PET	7.6/9.3	143	0.46/0.14	Repulsion resistant, easy to activate
	tesa® 66934	100	Transparent	Modified acrylic	PET	10.7/11.6	143	0.68/.021	Repulsion resistant, easy to activate
tesa® 615xx	tesa® 61526	30	Transparent	Silicone/acrylic	PET	Si: 4.0/4.7 Ac: 6.8/7.7	Upon request	Upon request	Differential design (Si/Ac) for silicone substrates
	tesa® 61532	50	Transparent	Silicone/acrylic	PET	Si: 4.8/4.9 Ac: 7.0/9.9	Upon request	Upon request	Differential design (Si/Ac) for silicone substrates
	tesa® 61528	100	Transparent	Silicone/acrylic	PET	Si: 4.0/4.4 Ac: 10.7/12.6	Upon request	Upon request	Differential design (Si/Ac) for silicone substrates
	tesa® 61529	140	Transparent	Silicone/acrylic	PET	Si: 4.2/4.4 Ac: 11.2/12.6	Upon request	Upon request	Differential design (Si/Ac) for silicone substrates
	tesa® 61520	200	Transparent	Silicone/acrylic	PET	Si: 4.2/4.4 Ac: 14.7/16.5	Upon request	Upon request	Differential design (Si/Ac) for silicone substrates

Continued on next page

ASSORTMENT OVERVIEW

Double-sided Film Tapes

Series	Product	Thickness [µm]	Color	Adhesive	Backing	Peel adhesion [N/cm; initial/ultimate]	Push-out [N]	DuPont [J; xy/z]	Product description
						SUS			
tesa® 612xx/6128x	tesa® 61282	50	Black	Specialty	PET	4.5/7.0	168	0.7/0.4	Chemical resistant, impact-resistant
	tesa® 61284	100	Black	Specialty	PET	8.5/12.5	161	1.2/0.8	Chemical resistant, impact-resistant
	tesa® 61286	150	Black	Specialty	PET	13.1/15.0	170	1.3/1.0	Chemical resistant, impact-resistant
	tesa® 61287	200	Black	Specialty	PET	14.0/19.0	168	1.3/1.1	Chemical resistant, impact-resistant
	tesa® 61288	250	Black	Specialty	PET	19.0/20.0	164	1.5/1.3	Chemical resistant, impact-resistant
	tesa® 61250	50	Black	Specialty	PET	7.9/9.1	260	0.67/0.3	Chemical resistant, impact resistant
	tesa® 61210	100	Black	Specialty	PET	12.4/13.2	260	1.13/0.67	Chemical resistant, impact resistant
	tesa® 61215	150	Black	Specialty	PET	14.3/15.5	260	1.35/0.83	Chemical resistant, impact resistant
	tesa® 61220	200	Black	Specialty	PET	16.6/17.5	265	1.5/0.85	Chemical resistant, impact resistant
	tesa® 61225	250	Black	Specialty	PET	17.0/18.1	265	1.51/0.91	Chemical resistant, impact resistant
tesa® 6881x	tesa® 68814	100	Black	Modified acrylic	PET	13.5/14.0	130	0.9/0.4	LSE performance, tacky, impact resistant
	tesa® 68817	200	Black	Modified acrylic	PET	17.0/17.5	105	1.2/0.7	LSE performance, tacky, impact resistant
tesa® 49xx	tesa® 4912	5	Transparent	Modified acrylic	PET	3.6/3.9	Upon request	Upon request	Balanced property profile for universal applicability
	tesa® 4983	30	Transparent	Modified acrylic	PET	5.2/7.6	88	0.2/0.1	Balanced property profile for universal applicability
	tesa® 4972	50	Transparent	Modified acrylic	PET	7.0/9.6	177	0.4/0.2	Balanced property profile for universal applicability
	tesa® 4980	80	Transparent	Modified acrylic	PET	8.6/9.7	118	0.4/0.2	Balanced property profile for universal applicability
	tesa® 4982	100	Transparent	Modified acrylic	PET	11.0/11.7	230	0.5/0.2	Balanced property profile for universal applicability
	tesa® 4928	125	Transparent	Modified acrylic	PET	11.2/12.8	220	0.7/0.2	Balanced property profile for universal applicability
	tesa® 4942	140	Transparent	Modified acrylic	PET	11.8/13.0	210	0.8/0.2	Balanced property profile for universal applicability
	tesa® 4967	160	Transparent	Modified acrylic	PET	12.0/13.4	210	0.8/0.3	Balanced property profile for universal applicability
	tesa® 4965	200	Transparent	Modified acrylic	PET	11.5/11.8	140	0.9/0.4	Balanced property profile for universal applicability
	tesa® 4926	250	Transparent	Modified acrylic	PET	13.2/16.2	120	1.1/0.4	Balanced property profile for universal applicability
tesa® 519xx	tesa® 51983	30	Black	Modified acrylic	PET	5.2/7.6	74	0.2/0.1	Balanced property profile for universal applicability
	tesa® 51972	50	Black	Modified acrylic	PET	7.0/9.6	180	0.4/0.2	Balanced property profile for universal applicability
	tesa® 51980	80	Black	Modified acrylic	PET	8.6/9.7	118	0.4/0.2	Balanced property profile for universal applicability
	tesa® 51982	100	Black	Modified acrylic	PET	11.0/11.7	230	0.5/0.2	Balanced property profile for universal applicability
	tesa® 51928	125	Black	Modified acrylic	PET	9.6/12.0	220	0.7/0.2	Balanced property profile for universal applicability
	tesa® 51967	160	Black	Modified acrylic	PET	12.0/13.4	210	0.8/0.3	Balanced property profile for universal applicability
	tesa® 51965	200	Black	Modified acrylic	PET	12.3/14.2	140	0.9/0.4	Balanced property profile for universal applicability
	tesa® 51926	250	Black	Modified acrylic	PET	13.8/16.2	120	1.1/0.4	Balanced property profile for universal applicability

IMPACT-RESISTANT FOAM TAPES

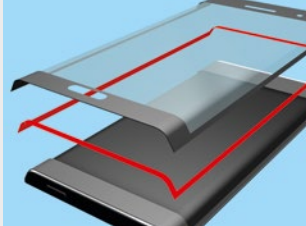


Acrylic Foam Tapes – For Applications with Extreme Requirements

The bonding of components in electronic devices can be very challenging. For many applications high-tech materials with special structures and properties are used. The components are characterized by complex geometries to meet the latest design requirements of the consumer. Our acrylic foam tape assortment is especially designed for demanding applications in the electronics industry and is distinguished by its very special bonding capabilities. The

high bonding performance is based on its viscoelasticity: elastic and viscous characteristics providing inner strength as well as relaxation of mechanical stresses. The use of highly innovative technologies and special acrylic adhesive systems together with the viscoelastic nature of acrylic foams create multiple benefits like **impact resistance**, **high bonding strength**, and **waterproofing** for electronic devices for the entire life cycle of the product.

Typical applications of our Acrylic Foam Tape assortment



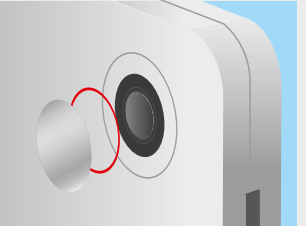
Lens mounting



Back cover mounting



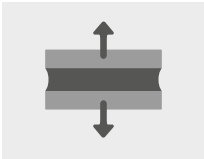
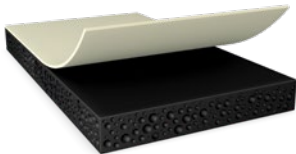
Display bottom



Component mounting with special demands

tesa® 756xx

AC Foam 756xx is our product family that combines outstanding adhesion properties on a wide range of surfaces and a high level of conformability. This allows perfect attachment to the curves and corners of the electronic device and provides a permanent seal against water and dust. 754xx is a thickness extension of 756xx, and offers the thinnest foam tape (50 µm) available in the market.



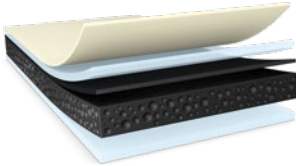
Best bonding



Conformable

tesa® 7752xx NEW

Our tesa® 7752x has a well balanced property profile on a very high level offering reliable bonding strength, outstanding impact resistance and superior anti-stretching performance. This results in only minor lifting even under harsh environmental conditions.



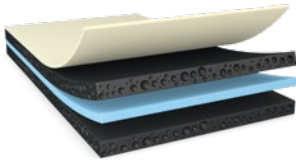
Balanced profile



Temperature and humidity resistance

tesa® 759xx

Where other tape technologies fail, our AC Foam 759xx family shows an impressive performance against a variety of different chemicals. This superior chemical resistance is a result of this product's unique adhesive formulation. Of course, this series also provides the standard features of the viscoelastic acrylic foam technology.



Chemical resistance

PE Foam Tapes – For Challenging Applications

PE Foam Tapes have long proven their value to the electronics industry. Certain properties such as **impact resistance**, **bonding strength**, and **waterproofing** are offered by all series in our PE Foam range.

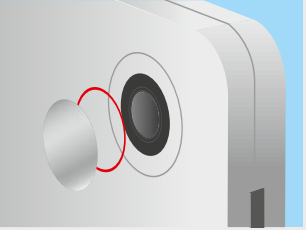
Typical applications of our PE Foam Tape assortment



Lens mounting



Back cover mounting



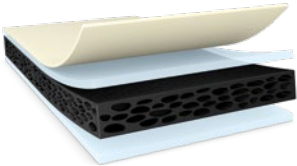
Camera lens mounting



Display bottom mounting

tesa® 666xx

Our PE Foam 666xx series offers excellent shear strength in all directions even under harsh environmental conditions. The tapes develop high adhesive strength quickly and with only limited pressure, offering greater process tolerance, particularly for curved designs.

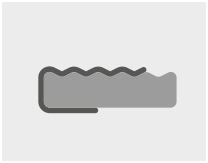




Easy activation



Shear resistance



Anti-repulsion

tesa® 668xx

Our PE Foam 668xx series provides a well-balanced overall performance. The backing enables a clean removal from the bonding area, while the specially developed adhesive prevents lifting in applications with curved designs.





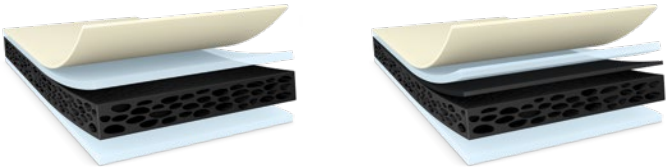
Anti-repulsion

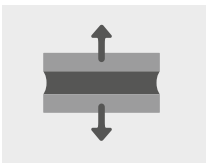


Best impact resistance

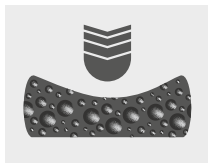
tesa® 626xx

The PE Foam 626xx series captivates with outstanding adhesive strengths. The optional PET reinforcement improves reworkability and ease of handling. The foam backing is softer and more compressible.





Best bonding

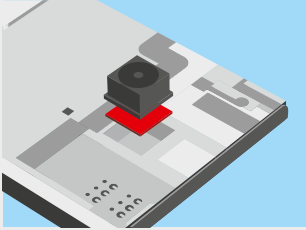


Compressible

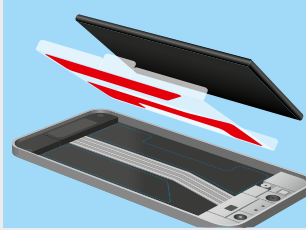
Special Foam Tapes – For Special Requirements

These products focus **excellent reworkability** which is provided by specific, tailor-made adhesive designs. Additionally, these series, like the other foam assortments, offers excellent **impact resistance** and **bonding performance**.

Typical applications of our Special Foam Tape assortment



Component mounting



Battery wrapping



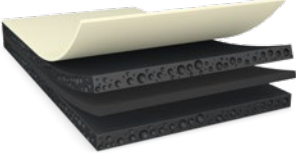
Battery mounting

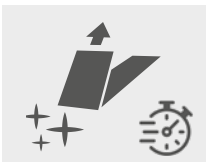


Back cover mounting

tesa® 761xx

The special adhesive and PET backing offers outstanding reworkability properties: fast and totally clean – no tearing, no residues. This series provides fast wetting and great bonding, even on LSE substrates. tesa® 761xx offers light-blocking properties and good die-cuttability.





Fast & residue-free removal



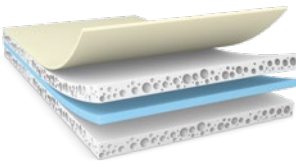
Quick bonding

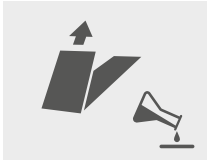


LSE performance

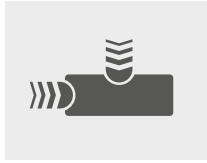
tesa® 471x

Substrates bonded with the specially developed tesa® 471x can also be separated from each other by the use of solvents. This is made possible by the splittable design of the tape. This adhesive solution is very robust and offers high adhesive strength and impact resistance.





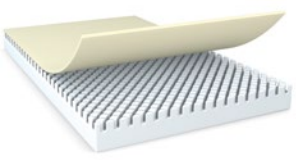
Removable by solvents



Impact resistance

tesa® 473x

Our new development tesa® 473x is a tape with a differential design. The structured surface on one side allows solvents to flow under the tape, which can be removed without residue. The adhesive offers a good bonding and shock performance.





Residue-free removable by solvents

ASSORTMENT OVERVIEW

Impact-Resistant Foam Tapes

Series	Product	Thickness [µm]	Color	Adhesive	Backing	Peel adhesion [N/cm; initial/ultimate]		Push-out [N]	DuPont test [J; xy/z]	Anti-repulsion*	Removability*
						SUS	PE				
tesa® 754xx	tesa® 75405	50	Black	Acrylic	-	9.1/10.3	4.3/5.5	235	0.6/0.5	•••	•
	tesa® 75410	100	Black	Acrylic	-	11.6/13.1	6.2/6.7	216	0.8/0.7	•••	•
	tesa® 75415	150	Black	Acrylic	-	14.1/15.6	6.6/7.2	206	1.0/0.8	••••	•
tesa® 756xx	tesa® 75620	200	Black	Acrylic	-	11.2/17.0	1.3/18	223	1.3/1.0	•••	•
	tesa® 75625	250	Black	Acrylic	-	15.4/19.9	1.5/2.0	215	1.4/1.1	•••	••
	tesa® 75630	300	Black	Acrylic	-	17.5/19.0	2.1/2.9	201	1.5/1.2	•••	••
	tesa® 75635	350	Black	Acrylic	-	16.6/19.9	3.1/4.4	187	>1.6/1.3	••••	••
	tesa® 75640	400	Black	Acrylic	-	16.8/22.0	3.7/6.6	169	>1.6/1.4	••••	••
tesa® 7752x	tesa® 77521	300	Black	Acrylic	PET	20.0/20.0; 11.0/12.0**	Upon request	190	>1.6/1.1	••••	•••
	tesa® 77522	350	Black	Acrylic	PET	19.3/19.6; 10.3/11.5**	Upon request	195	>1.6/1.2	••••	-
tesa® 759xx	tesa® 75920	200	Black	Acrylic	PET	10.2/11.3	1.3/1.6	160	1.2/0.9	Upon request	•••
	tesa® 75925	250	Black	Acrylic	PET	12.5/13.1	1.5/2.6	153	1.4/0.8	Upon request	•••
	tesa® 75930	300	Black	Acrylic	PET	13.8/14.2	1.7/2.6	150	1.6/1.0	Upon request	•••
tesa® 666xx	tesa® 66624	200	Black	Acrylic	PE Foam	8.9/10.5	4.5/4.8	243	0.7/0.7	••••	•••
	tesa® 66625	250	Black	Acrylic	PE Foam	10.5/11	5/5.3	242	0.65/0.6	••••	•••
	tesa® 66626	300	Black	Acrylic	PE Foam	10.0/12.2	5.2/6.0	248	0.85/0.72	••••	•••
	tesa® 66627	350	Black	Acrylic	PE Foam	11.5/13.5	7.5/8.0	250	0.81/0.72	••••	•••
tesa® 668xx	tesa® 66822	150	Black	Acrylic	PE Foam	9.0/10.7	2.0/4.5	240	0.6/0.5	•••	•••
	tesa® 66824	200	Black	Acrylic	PE Foam	11.5/ 14.0	5.0/5.8	243	0.8/0.7	••••	•••
	tesa® 66825	250	Black	Acrylic	PE Foam	11.8/14.3	5.5/6.2	250	0.8/0.7	••••	•••
	tesa® 66826	300	Black	Acrylic	PE Foam	12.5/14.4	6.0/ 6.5	252	0.9/0.8	••••	•••
	tesa® 66829	350	Black	Acrylic	PE Foam	12.6/14.6	8.3/9.5	250	0.88/0.8	••••	•••
	tesa® 66828	400	Black	Acrylic	PE Foam	12.6/14.8	8.3/9.5	250	1.1/1.0	•••	•••
	tesa® 66865	250	White	Acrylic	PE Foam	11.0/14.5	5.2/5.7	236	0.7/0.7	••••	•••
	tesa® 66866	300	White	Acrylic	PE Foam	11.5/14.5	5.5/6.1	240	0.8/0.7	••••	•••
tesa® 626xx	tesa® 62624	200	Black	Acrylic	PE Foam	13.0/16.0	2.2/4.1	200	0.4/0.4	•	••
	tesa® 62625	250	Black	Acrylic	PE Foam	13.0/16.0	2.2/4.1	190	0.5/0.4	•	••
	tesa® 62626	300	Black	Acrylic	PE Foam	10.0/13.5	2.3/3.5	190	0.4/0.4	•	•••
	tesa® 62645	250	Black	Acrylic	PE Foam with PET reinforcement	13.0/16.0	5.0/6.0	180	0.5/ 0.4	•	•••
	tesa® 62646	300	Black	Acrylic	PE Foam with PET reinforcement	10.0/13.5	2.4/3.2	180	0.5/0.4	•	•••
tesa® 761xx	tesa® 76105	50	Black	Specialty	PET	6.0/6.0	5.0/5.0	50	0.6/0.5	••	••••
	tesa® 76108	80	Black	Specialty	PET	7.0/7.0	6.0/6.0	230	0.7/0.6	••	••••
	tesa® 76110	100	Black	Specialty	PET	9.0/9.0	7.0/7.0	100	0.8/0.7	•••	••••
	tesa® 76115	150	Black	Specialty	PET	11.0/11.0	8.0/8.0	150	1.0/0.9	•••	••••
	tesa® 76120	200	Black	Specialty	PET	11.0/11.0	10.0/10.0	180	1.1/1.0	•••	••••
	tesa® 76125	250	Black	Specialty	PET	12.0/12.0	10.0/10.0	200	1.4/1.1	•••	••••
	tesa® 76130	300	Black	Specialty	PET	12.0/12.0	11.0/11.0	210	1.4/1.1	•••	••••
tesa® 471x	tesa® 4715	50	Translucent White	Specialty	PU	7.0	Upon request	215	0.6/0.5	Upon request	•••
	tesa® 4718	80	Translucent White	Specialty	PU	7.0	Upon request	230	0.7/0.6	Upon request	•••
	tesa® 4710	100	Translucent White	Specialty	PU	8.0	Upon request	190	0.8/0.7	Upon request	•••
tesa® 473x	tesa® 4735	50	Translucent White	Special Structured Adhesive	-	5.0	Upon request	200	0.4/0.6	Upon request	••••
	tesa® 4738	80	Translucent White	Special Structured Adhesive	-	6.5	Upon request	230	0.7/0.8	Upon request	••••

* Assessment is done only in relation to other products of this assortment

** Foam side; PET side

•••• Superior ••• Very good •• Good • Low

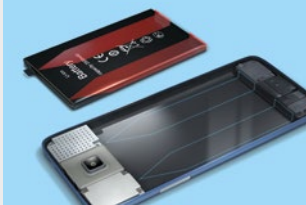
BOND & DETACH®



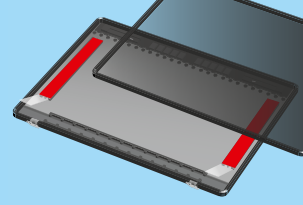
Stretch-Release Tapes for Residue-Free Removability

With our Bond & Detach® solutions the reworkability is revolutionized. This tape allows permanent mounting of components with the option to remove them without residues for repairing or recycling.

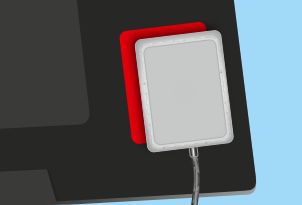
Typical applications of our Bond & Detach® assortment



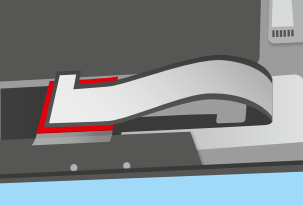
Battery mounting in mobile devices



Mounting of high value or critical components



Removable mounting of devices or accessories



Temporary fixation of components

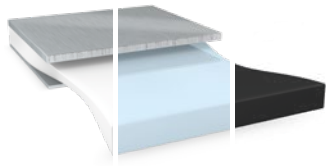
The tesa Bond & Detach® technology

Bond & Detach® is an extraordinary adhesive technology used for demanding bonding applications that provides the **option to be removed residue-free by stretching**. The unique and patented technology was developed by tesa and offers the possibility of **simple and secure reworkability**

during the entire product life cycle of an electronic device – from production to end of life. Besides that the whole Bond & Detach® assortment provides **very good impact resistance and bonding strength, even on LSE substrates**.

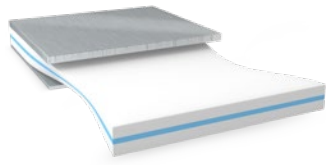
tesa Bond & Detach® 704xx/703xx/706xx

These series are designed for applications demanding high bonding strength and reworkability. They have the best bonding performance within the Bond & Detach® assortment. The black series 706xx offers good light-blocking properties.



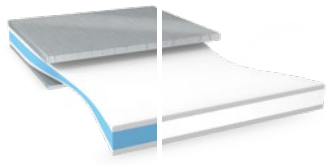
tesa Bond & Detach® 672xx

The special cushioning adhesive used for the 672xx series provides improved impact resistance. The removability of these products is also improved by the stretchable PU backing used.



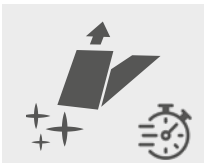
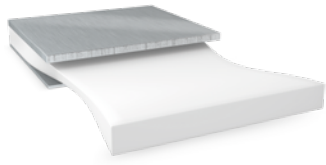
tesa Bond & Detach® 770xx/648xx

The performance of these highly impact-resistant and very tacky series is based on the innovative tesa foaming technology. The new developed backing further improves the removability of these products by enhancing the tear resistance and reducing the force required to remove the tape.

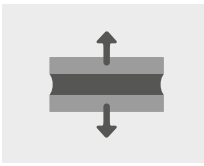


tesa Bond & Detach® 705xx

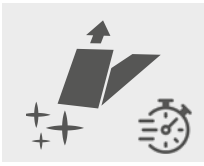
The latest tesa Bond & Detach® 705xx series is a further development of the very successful 704xx series. The adhesive has been modified to provide excellent adhesion and resistance to shear and repulsive forces even at elevated temperatures.



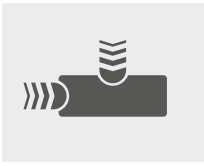
Fast & residue-free removal



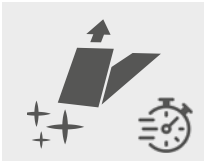
Best bonding



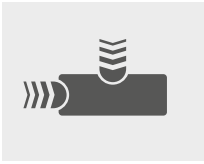
Fast & residue-free removal



Impact resistance



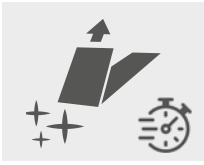
Fast & residue-free removal



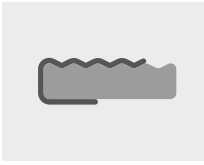
Impact resistance



Quick bonding



Fast & residue-free removal



Anti-repulsion



Shear resistance

ASSORTMENT OVERVIEW

Bond & Detach®

Series	Product	Thickness [µm]	Color	Adhesive	Backing	Peel adhesion [N/cm; initial/ultimate]			Impact resistance		Removing force [N/cm]
						SUS	PE	Black battery pouch	DuPont [J; xy/z]	Tumbler [cycles]	
tesa Bond & Detach® 770xx	tesa Bond & Detach® 77010	100	Translucent white	Specialty	Stretchable specialty	9.0/9.0	6.0/7.0	6.0/7.0	0.8/0.6	100	1.5
	tesa Bond & Detach® 77015	150	Translucent white	Specialty	Stretchable specialty	10.0/10.0	7.0/8.0	7.0/8.0	1.0/0.7	>500	2.0
tesa Bond & Detach® 648xx	tesa Bond & Detach® 64810	100	White	Specialty	Stretchable specialty	10.0/10.0	7.0/7.0	7.0/7.0	0.9/0.7	340	3.0
	tesa Bond & Detach® 64815	150	White	Specialty	Stretchable specialty	11.0/11.0	8.0/8.0	8.0/8.0	1.1/0.8	>500	4.0
	tesa Bond & Detach® 64816	150	White	Specialty	Stretchable specialty	11.0/11.0	8.0/8.0	8.0/8.0	1.0/0.7	420	5.0
	tesa Bond & Detach® 64820	200	White	Specialty	Stretchable specialty	11.0/11.0	9.0/9.0	8.0/8.0	1.2/0.8	>500	5.0
	tesa Bond & Detach® 64825	250	White	Specialty	Stretchable specialty	12.0/12.0	9.0/9.0	9.0/9.0	1.2/0.9	>500	6.0
	tesa Bond & Detach® 64830	300	White	Specialty	Stretchable specialty	12.0/12.0	9.0/9.0	9.0/9.0	1.5/1.0	>500	6.0
tesa Bond & Detach® 672xx	tesa Bond & Detach® 67208	80	White	Specialty	Stretchable PU	5.0/5.0	4.0/4.0	4.0/4.0	0.7/0.5	95	4.0
	tesa Bond & Detach® 67210	100	White	Specialty	Stretchable PU	6.0/6.0	5.0/5.0	5.0/6.0	0.8/0.6	180	4.0
	tesa Bond & Detach® 67215	150	White	Specialty	Stretchable PU	9.0/9.0	6.0/6.0	7.0/7.0	1.0/0.7	400	5.0
	tesa Bond & Detach® 67225	250	White	Specialty	Stretchable PU	12.0/12.0	9.0/9.0	11.0/11.0	1.5/1.2	>500	6.0
tesa Bond & Detach® 705xx	tesa Bond & Detach® 70525	250	White	Specialty	-	13.0/13.0	9.0/9.0	Upon request	1.0/0.7	Upon request	6.0
	tesa Bond & Detach® 70550	500	White	Specialty	-	20.0/20.0	13.0/13.0	Upon request	1.3/1.0	Upon request	9.0
tesa Bond & Detach® 706xx	tesa Bond & Detach® 70610	100	Black	Specialty	-	11.0/11.0	6.0/6.0	7.0/7.0	0.5/0.2	Upon request	3.0
	tesa Bond & Detach® 70615	150	Black	Specialty	-	13.0/13.0	7.0/7.0	8.0/8.0	0.7/0.3	Upon request	4.0
	tesa Bond & Detach® 70620	200	Black	Specialty	-	14.0/14.0	8.0/8.0	9.0/9.0	0.8/0.4	Upon request	5.0
	tesa Bond & Detach® 70625	250	Black	Specialty	-	16.0/16.0	8.0/8.0	9.0/9.0	0.9/0.5	Upon request	6.0
	tesa Bond & Detach® 70630	300	Black	Specialty	-	17.0/17.0	9.0/9.0	Upon request	1.0/0.6	Upon request	6.0
	tesa Bond & Detach® 70635	350	Black	Specialty	-	18.0/18.0	9.0/9.0	Upon request	1.1/0.7	Upon request	7.0
	tesa Bond & Detach® 70640	400	Black	Specialty	-	19.0/19.0	9.0/9.0	Upon request	1.1/0.8	Upon request	7.0
	tesa Bond & Detach® 70650	500	Black	Specialty	-	20.0/20.0	10.0/10.0	Upon request	1.3/1.0	Upon request	8.0
	tesa Bond & Detach® 70665	650	Black	Specialty	-	22.0/22.0	11.0/11.0	Upon request	1.4/1.2	Upon request	9.0
	tesa Bond & Detach® 70680	800	Black	Specialty	-	24.0/24.0	12.0/12.0	Upon request	>1.5/>1.5	Upon request	10.0
	tesa Bond & Detach® 70699	1,000	Black	Specialty	-	26.0/26.0	13.0/13.0	Upon request	>1.5/>1.5	Upon request	11.0
tesa Bond & Detach® 704xx	tesa Bond & Detach® 70410	100	White	Specialty	-	11.0/11.0	8.0/8.0	7.0/7.0	0.6/0.2	Upon request	3.0
	tesa Bond & Detach® 70415	150	White	Specialty	-	13.0/13.0	8.0/8.0	7.0/7.0	0.8/0.4	25	4.0
	tesa Bond & Detach® 70420	200	White	Specialty	-	14.0/14.0	9.0/9.0	8.0/8.0	0.9/0.5	Upon request	5.0
	tesa Bond & Detach® 70425	250	White	Specialty	-	16.0/16.0	9.0/9.0	8.0/8.0	1/0.6	Upon request	6.0
	tesa Bond & Detach® 70430	300	White	Specialty	-	19.0/19.0	9.0/9.0	Upon request	1.1/0.7	Upon request	6.0
	tesa Bond & Detach® 70435	350	White	Specialty	-	20.0/20.0	10.0/10.0	Upon request	1.1/0.8	Upon request	7.0
	tesa Bond & Detach® 70440	400	White	Specialty	-	22.0/22.0	10.0/10.0	Upon request	1.2/0.9	Upon request	7.0
	tesa Bond & Detach® 70465	650	White	Specialty	-	25.0/25.0	12.0/12.0	Upon request	1.4/1.2	Upon request	9.0
	tesa Bond & Detach® 70480	800	White	Specialty	-	27.0/27.0	15.0/15.0	Upon request	1.5/1.3	Upon request	10.0
	tesa Bond & Detach® 70499	1,000	White	Specialty	-	30.0/30.0	19.0/19.0	Upon request	1.6/1.5	Upon request	11.0
	tesa Bond & Detach® 70315	150	Transparent	Specialty	-	12.0/12.0	7.0/7.0	8.0/8.0	0.6/0.2	Upon request	3.0
	tesa Bond & Detach® 70350	500	Transparent	Specialty	-	23.0/23.0	12.0/12.0	Upon request	1.2/0.7	Upon request	6.0

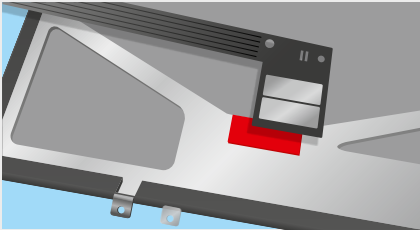
STRUCTURAL BONDING SOLUTIONS



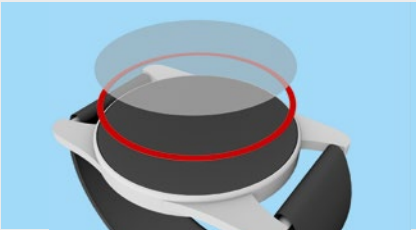
Electronic devices are increasingly miniaturized and sophisticated. Complex designs require smaller bonding areas and higher tape performance. tesa® Structural Bonding Solutions meet the most challenging demands of manufacturers and consumers over the life cycle of the devices. They provide **high structural bonding performance** to a wide variety of substrates with both fast and durable bonds.

They **withstand the harshest conditions** by combining **outstanding chemical and aging resistance** with **excellent sealing properties** even on temperature-sensitive substrates. The processing of these adhesive systems is simplified due to excellent die-cutting properties, immediate handling stability after heat activation, and low oozing.

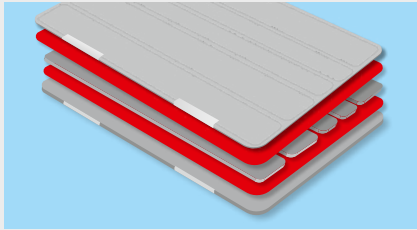
Typical applications of our structural bonding solutions



Component mounting



Lens and back cover mounting



Soft goods and accessories

Heat-Activated Films

Our tesa HAF® and tesa® XPU series are thermosetting adhesive systems. An irreversible cross-linking reaction is initiated by heat and pressure starting at temperatures above 110°C.

tesa HAF® 5847x/847x

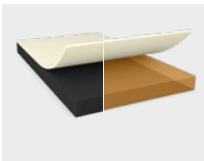
tesa HAF® is a heat-activated film based on phenolic resin and nitrile rubber. It is activated by heat and pressure starting at temperatures above 120°C, resulting in extremely strong bonds and outstanding reliability.

Reference application:

- FPC mounting
- Camera lens mounting

Most suitable substrates:

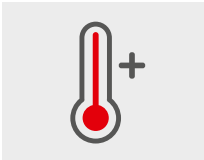
- Metals to metals
- Metals to heat-resistant plastics



Black and amber color



>120°C
Activation temperature



Temperature resistance



Chemical resistance

tesa® XPU 5870x/870x

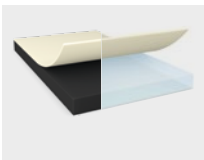
tesa® Cross-Linkable Polyurethane (XPU) is activated by very low bonding pressure and temperatures from 110°C to 200°C. Our XPU series offer strong and reliable bonding strength – even on combinations of different substrates like plastics and metals.

Reference application:

- Trackpad mounting
- Speaker mesh

Most suitable substrates:

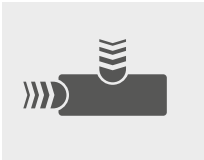
- Metals or glass to heat-resistant plastics



Black and translucent color



>110°C
Activation temperature



Impact resistance



Low bonding pressure

Low-Temperature Reactive Films

Our tesa® Low-Temperature Reactive Film (LTR) has been designed for activation at moderate temperatures. The cross-linking starts at a bond-line temperature above 75°C.

tesa® LTR 5848x/871x/872x

tesa® LTR is especially recommended for the reliable bonding of temperature-sensitive substrates. The LTR 5848x and 871x series bond extremely well to plastics and leather, while LTR 872x is specifically designed for the bonding of fabrics.

Reference application:

- Plastic to fabric bonding in earphones
- Speaker mesh bonding

Most suitable substrates:

- Plastics to plastics
- Plastics to fabrics

tesa® LTC 5866x NEW

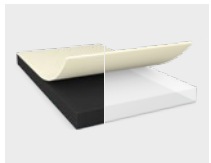
Our new tesa® LTC combines an outstanding bonding performance with excellent shock and chemical resistance on a wide variety of substrates. It is designed for demanding bonding applications of temperature sensitive electronic parts or near sensitive components.

Reference application:

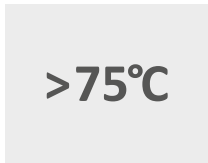
- Screen mounting
- Back cover mounting

Most suitable substrates:

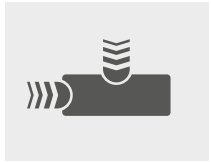
- Metals to glass
- Metals to plastics



Black and white color



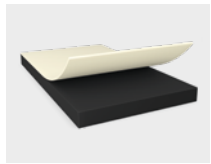
>75°C



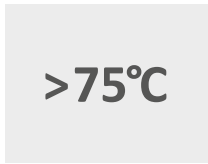
Impact resistance



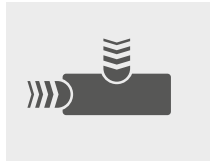
Wettability on fabrics



Black color



>75°C



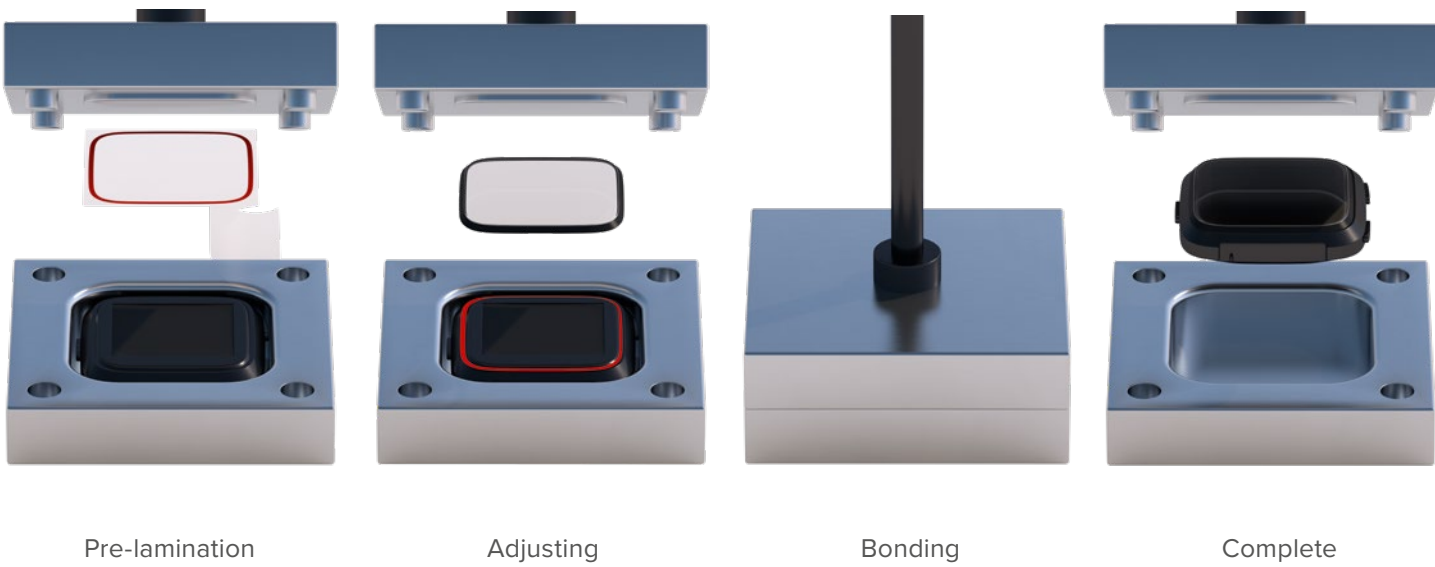
Impact resistance



Chemical resistance

Application Process

tesa® Structural Bonding Solutions are not tacky at room temperature and get activated by heat and pressure applied during assembly process. By supplying heat, an irreversible chemical reaction is started that creates the high bonding strength and the resistance to high temperatures and chemicals.



Using a heat press is the most common way to bond parts with tesa® Structural Bonding Solutions. It provides a fast, clean and reliable bonding process. For more temperature sensitive applications alternative bonding processes – such as post oven curing or laser bonding – can be used.

		HAF	XPU	LTR	LTC
Pre-lamination (wetting)	Processing methods	Heat press, hot roll laminator, industrial iron			
	Machine settings	95–120°C	55–65°C	50–60°C	50–60°C
		2–6 bar	3 bar	1–3 bar	1–5 bar
		3–10 s	5–20 s	5–20 s	5–20 s
Bonding (activation)	Application	Heat press, oven, hot roll laminator			
	Machine settings	120–250°C	110–190°C	75–110°C	75–110°C
		5–30 bar	5 bar	2–4 bar	3–10 bar
		5–180 s	20–120 s	10–480 s	10–480 s

Coming soon: tesa® UV epoxy: our first light-activatable structural bonding tape not needing any heat during the bonding process. **Contact your local representative for more information.**

ASSORTMENT OVERVIEW

Structural Bonding Solutions

Series	Product	Thickness [μm]	Color	Adhesive	Activation temperature [°C]	Push-out [MPa]	Dynamic shear [N]	DuPont [J]	Reliability*	Chemical resistance*	Reference
tesa HAF® 847x	tesa HAF® 8471	30	Amber	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 8472	60	Amber	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 8473	80	Amber	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 8474	100	Amber	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 8475	125	Amber	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 8476	150	Amber	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 8478	200	Amber	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
tesa HAF® 584xx	tesa HAF® 58469	10	Black	Nitrile rubber/phenolic resin	>120	>5.0	>6.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 58477	20	Black	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 58471	30	Black	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 58470	50	Black	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 58473	80	Black	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 58474	100	Black	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 58475	125	Black	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 58476	150	Black	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
	tesa HAF® 58478	200	Black	Nitrile rubber/phenolic resin	>120	>5.5	>7.0	>0.5	••••	••••	SUS/SUS
tesa® XPU 870x	tesa® XPU 8701	25	Translucent	Cross-linkable polyurethane	>110	>2.5	n.a.	>3.5	•••	••	AL/PC
	tesa® XPU 8702	50	Translucent	Cross-linkable polyurethane	>110	>3.0	n.a.	>3.5	•••	••	AL/PC
	tesa® XPU 8704	100	Translucent	Cross-linkable polyurethane	>110	>4.0	n.a.	>3.5	•••	••	AL/PC
	tesa® XPU 8706	150	Translucent	Cross-linkable polyurethane	>110	>4.0	n.a.	>3.5	•••	••	AL/PC
	tesa® XPU 8708	200	Translucent	Cross-linkable polyurethane	>110	>4.0	n.a.	>3.5	•••	••	AL/PC
tesa® XPU 5870x	tesa® XPU 58701	25	Black	Cross-linkable polyurethane	>110	>2.5	n.a.	>3.5	•••	••	AL/PC
	tesa® XPU 58702	50	Black	Cross-linkable polyurethane	>110	>3.0	n.a.	>3.5	•••	••	AL/PC
	tesa® XPU 58704	100	Black	Cross-linkable polyurethane	>110	>4.0	n.a.	>3.5	•••	••	AL/PC
	tesa® XPU 58706	150	Black	Cross-linkable polyurethane	>110	>4.0	n.a.	>3.5	•••	••	AL/PC
	tesa® XPU 58708	200	Black	Cross-linkable polyurethane	>110	>4.0	n.a.	>3.5	•••	••	AL/PC
tesa® LTC 5866x	tesa® LTC 58662	50	Black	Cross-linkable polyurethane	>75	>4.5	n.a.	>1.5	••••	•••	AI/AI
	tesa® LTC 58664	100	Black	Cross-linkable polyurethane	>75	>5.0	n.a.	>2.0	••••	•••	AI/AI
tesa® LTR 871x	tesa® LTR 8711	30	White	Cross-linkable polyurethane	>75	>5.5	n.a.	>3.5	•••	••	PC/PC
	tesa® LTR 8710	50	White	Cross-linkable polyurethane	>75	>5.5	n.a.	>4.0	•••	••	PC/PC
	tesa® LTR 8714	100	White	Cross-linkable polyurethane	>75	>6.5	n.a.	>4.0	•••	••	PC/PC
tesa® LTR 5848x	tesa® LTR 58480	50	Black	Cross-linkable polyurethane	>75	>5.5	n.a.	>4.0	•••	••	PC/PC
	tesa® LTR 58484	100	Black	Cross-linkable polyurethane	>75	>6.5	n.a.	>4.0	•••	••	PC/PC
	tesa® LTR 58486	150	Black	Cross-linkable polyurethane	>75	>7.5	n.a.	>4.0	•••	••	PC/PC
	tesa® LTR 58488	200	Black	Cross-linkable polyurethane	>75	>7.5	n.a.	>4.0	•••	••	PC/PC
	tesa® LTR 58489	300	Black	Cross-linkable polyurethane	>75	>7.5	n.a.	>4.0	•••	••	PC/PC
tesa® LTR 872x	tesa® LTR 8722	50	Translucent	Cross-linkable polyurethane	>75	>4.5	n.a.	>4.0	•••	••	PC/PC

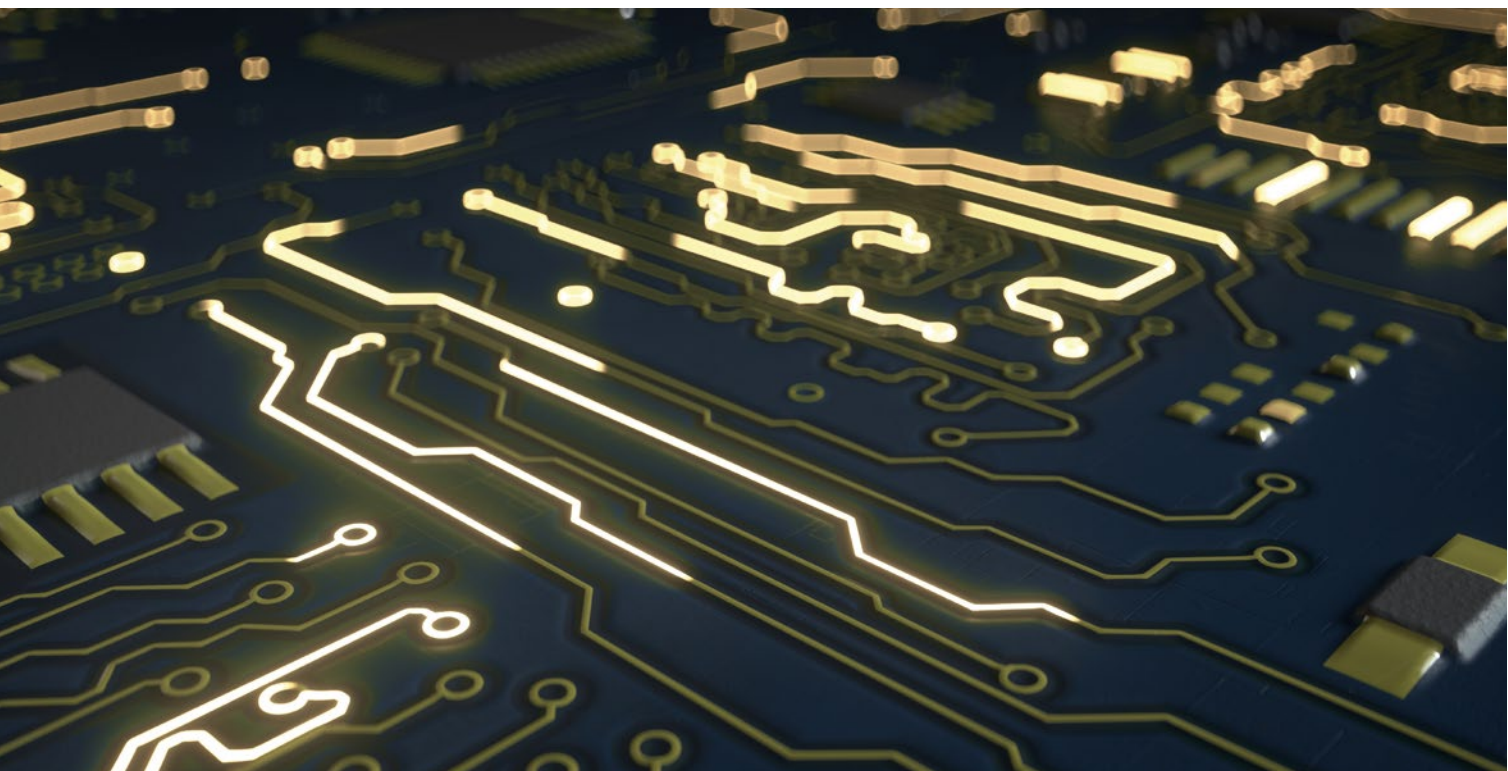
* Assessment is done only in relation to other products of this assortment. •••• Superior ••• Very good •• Good • Low



FUNCTIONAL SOLUTIONS

- Electrically Conductive Solutions
- Thermal Management Tapes
- Covering Tapes

ELECTRICALLY CONDUCTIVE SOLUTIONS



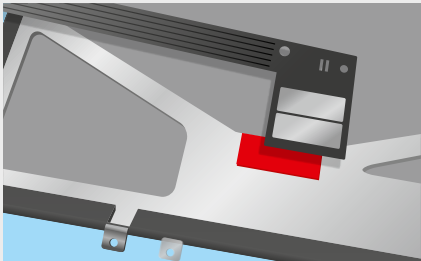
Double-sided ECT – For Applications Requiring Grounding

With offering a broad assortment of filled acrylic adhesive systems with a balance between electrical conductivity and adhesive properties we are able to provide the best solution for your requirements. Simply decide what is most important for your application: bonding performance, conductivity, or

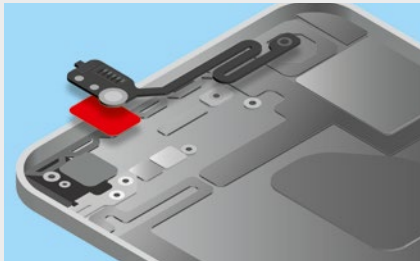
both balanced. Our double-sided tapes are available with two different backings. The woven backing offers a higher tear resistance, very good dimensional stability, and better reworkability, while the non-woven backing provides faster wetting, excellent conformability, and very good die-cuttability.

Typical applications of our double-sided ECT assortment

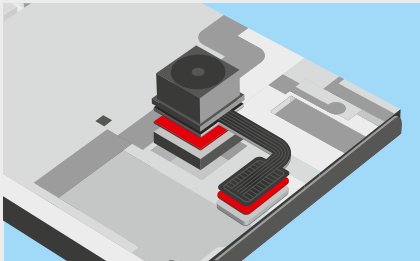
Mounting applications that require electrical conductivity to ground certain components within a mobile device.



FPC grounding



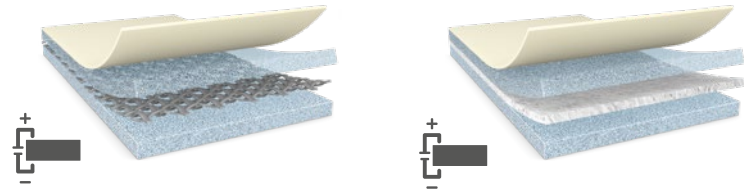
FPC on SUS



Component grounding

tesa® ECT 6025x/6026x

These series provide a balanced performance of conductivity and bonding performance. Thanks to the various backings, the performance profile can be optimally adapted to individual applications.

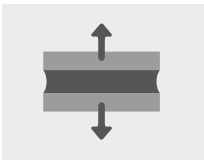
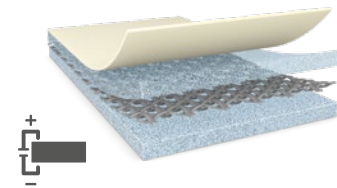


Balanced properties

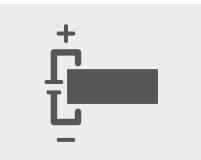
tesa® ECT 6036x



Our new development tesa® ECT 6036x combines the best conductivity within our double-sided ECT assortment and the best bonding performance. Even after shock events the conductivity is still very high, because of the adhesive strength of the tapes.



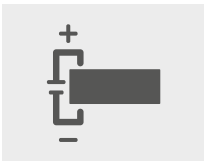
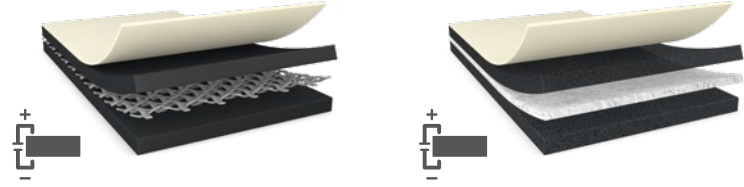
High bonding performance



High conductivity

tesa® ECT 6037x

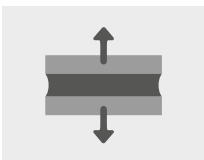
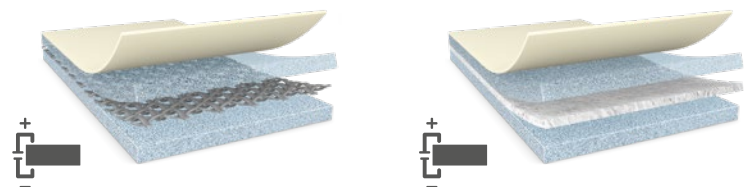
The tesa® ECT 6037x series provides the highest conductivity in our double-sided ECT assortment. The contact resistance, even in harsh environmental conditions, is extremely low.



Best conductivity

tesa® ECT 6038x

tesa® ECT 6038x has the best bonding performance in this assortment, offers very high peel adhesion values, and is resistant to repulsive forces.



Best bonding performance

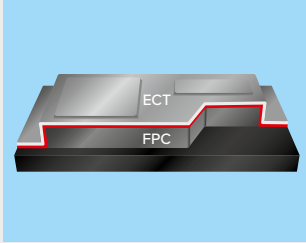


Anti-repulsion

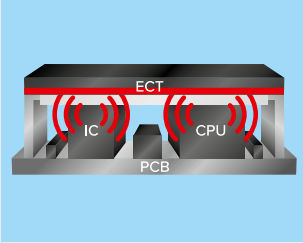
Single-sided ECT – Covering, Shielding and Conductive Gap-filling

Covering and shielding applications are broad and have different requirements for **conductivity, adhesion, and design**. Our single-sided ECT assortment meets the latest requirements for shielding and appearance. Our single-sided electrically conductive foam tapes offer **shielding, grounding, and gap-filling**. They will provide either outstanding **conformability and recovery properties** or a very high **abrasion resistance** depending on the chosen foam material. All series in this assortment have very good **shock-absorbing and cushioning properties**.

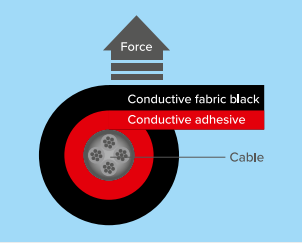
Typical applications of our single-sided ECT assortment



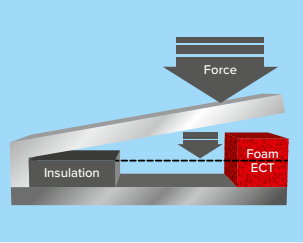
FPC covering



Shielding can



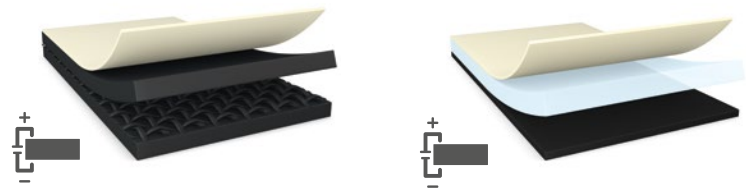
Wire wrapping

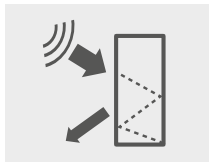


General gap-filling application under compression

tesa® ECT 6023x

The matte black design of our tesa® ECT 6023x series meets the latest requirements for a modern, high-quality appearance. It is available with two different backings (fabric and copper) to even better meet individual needs on bonding, shielding, and appearance.





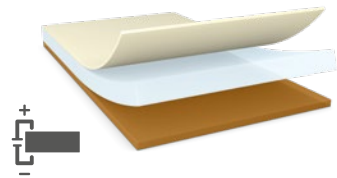
EMI shielding

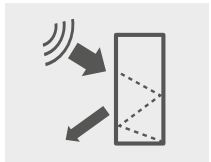


Modern appearance

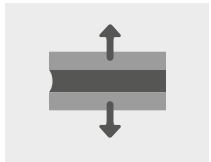
tesa® ECT 6053x

This series provides the best bonding and anti-repulsion performance in our ECT assortment, while the copper backing ensures high EMI shielding and heat spreading.





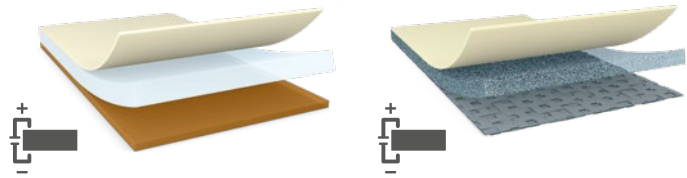
EMI shielding

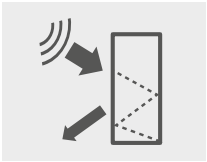


Best bonding performance

tesa® ECT 6031x/6034x

These series have been specially developed for applications which may only be exposed to low pressure. Even then these tapes offer excellent conductivity, shielding, and adhesion. While the 6031x series provides a higher shielding, the 6034x series with its woven backing offers easy lamination.

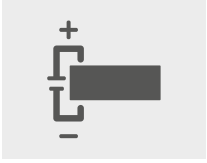




EMI shielding



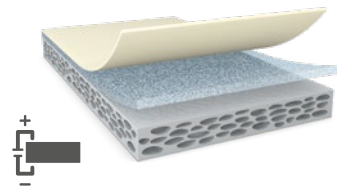
Low bonding pressure

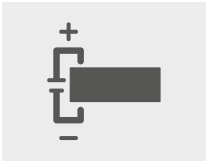


Best conductivity

tesa® ECT 6021x

tesa® ECT 6021x offers the best conductivity and shielding performance in our electrically conductive foam tape assortment. The soft sponge foam backing is highly compressible, with excellent recovery properties.

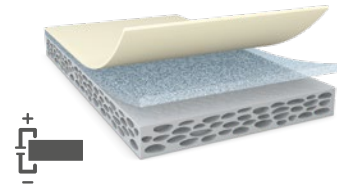


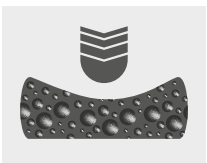


Best conductivity

tesa® ECT 6068x

The ultra-soft foam backing of this series further improves the compressibility and the recovery properties at very low forces, while it still has high EMI shielding.

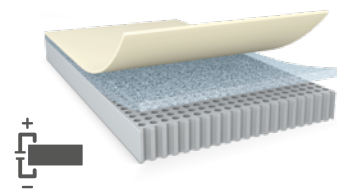




Best compressibility

tesa® ECT 6024x

The highly stable gasket foam which is used in this series is highly suitable for applications with fixed gaps that need normal compression forces. It is very resistant to abrasion from die-cutting and lamination processes.



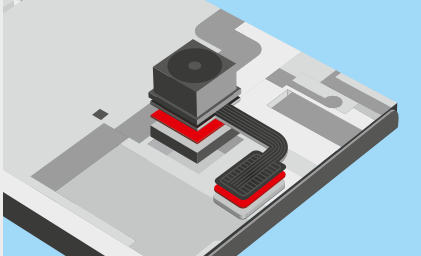


Abrasion resistance

EC HAF – For Applications with Extraordinary Requirements

Our innovative solution for applications requiring **extreme bonding performance** and **outstanding conductivity**. It combines the best features of our Heat-Activated Films (HAF) and electrically conductive PSAs (ECT). tesa® EC HAF is not tacky at room temperature and must be activated by heat and pressure starting at temperatures above 120°C.

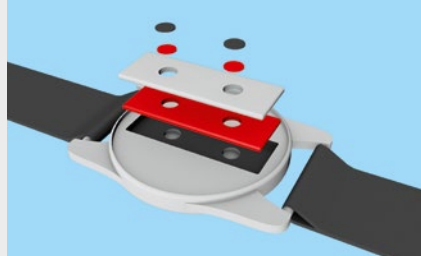
Typical applications of our EC HAF assortment



Camera module grounding



Antenna grounding

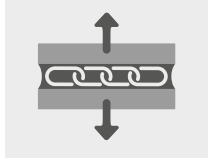
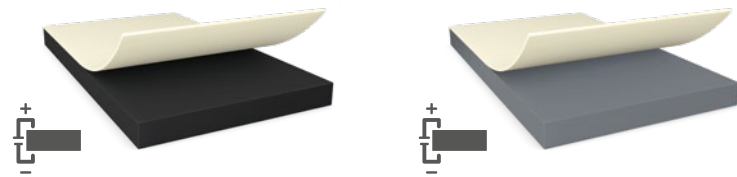


Sensor grounding

tesa® EC HAF 5845x/5842x

Our EC HAF series combine electrical conductivity and outstanding structural bonding performance. Additionally, they are highly resistant to repulsive forces and harsh environmental conditions.

While the 5845x series is isotropically xyz-axis electrically conductive, the anisotropic version 5842x is conductive in the z-direction only.



Structural bonding



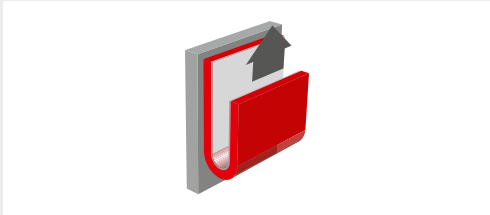
Temperature and humidity resistance



Anti-repulsion

Performance Test Methods

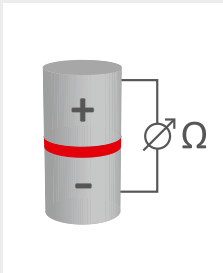
Bonding strength



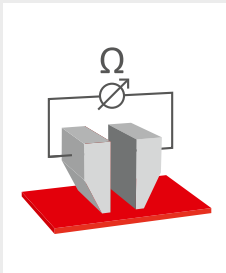
Peel adhesion

As bonding strength is a very important parameter for any application, we have developed various methods to measure the adhesive strengths of our tapes. The most important method to measure the bonding properties is the peel adhesion test. We run this test on different substrates like steel or PE as well as customer substrates.

Conductivity



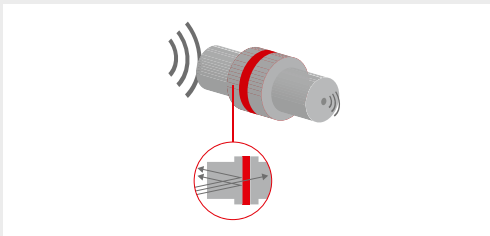
Contact resistance



Surface resistance

As conductivity is a very important parameter for grounding and shielding applications, we have developed various methods to measure the performance of our tapes. The most important method to measure the electrical properties for grounding and shielding applications is the contact resistance test, which determines the electrical resistance in the z-direction through the tape. The surface resistance test determines the electrical resistance in xy-direction along the tape die-cut. We run these tests on conductive substrates in various ways.

Shielding effectiveness



EMI shielding

Electromagnetic fields from electronic components can interfere and disturb other components. Therefore tapes with shielding properties are applied to protect sensitive electronics or to prevent leakage of electromagnetic fields. The shielding effectiveness is defined by the power level measured when the shielding material is present in ratio to when the material is not present. The higher the power level, the better the shielding effectiveness in the measured frequency range is.

Can't
Find the
Right
Solution?

We have more options available in our portfolio and by partnering with you we can create unique and specialized products that meet your individual demands.

Simply write to us or contact
your local representative.

electronics@tesa.com

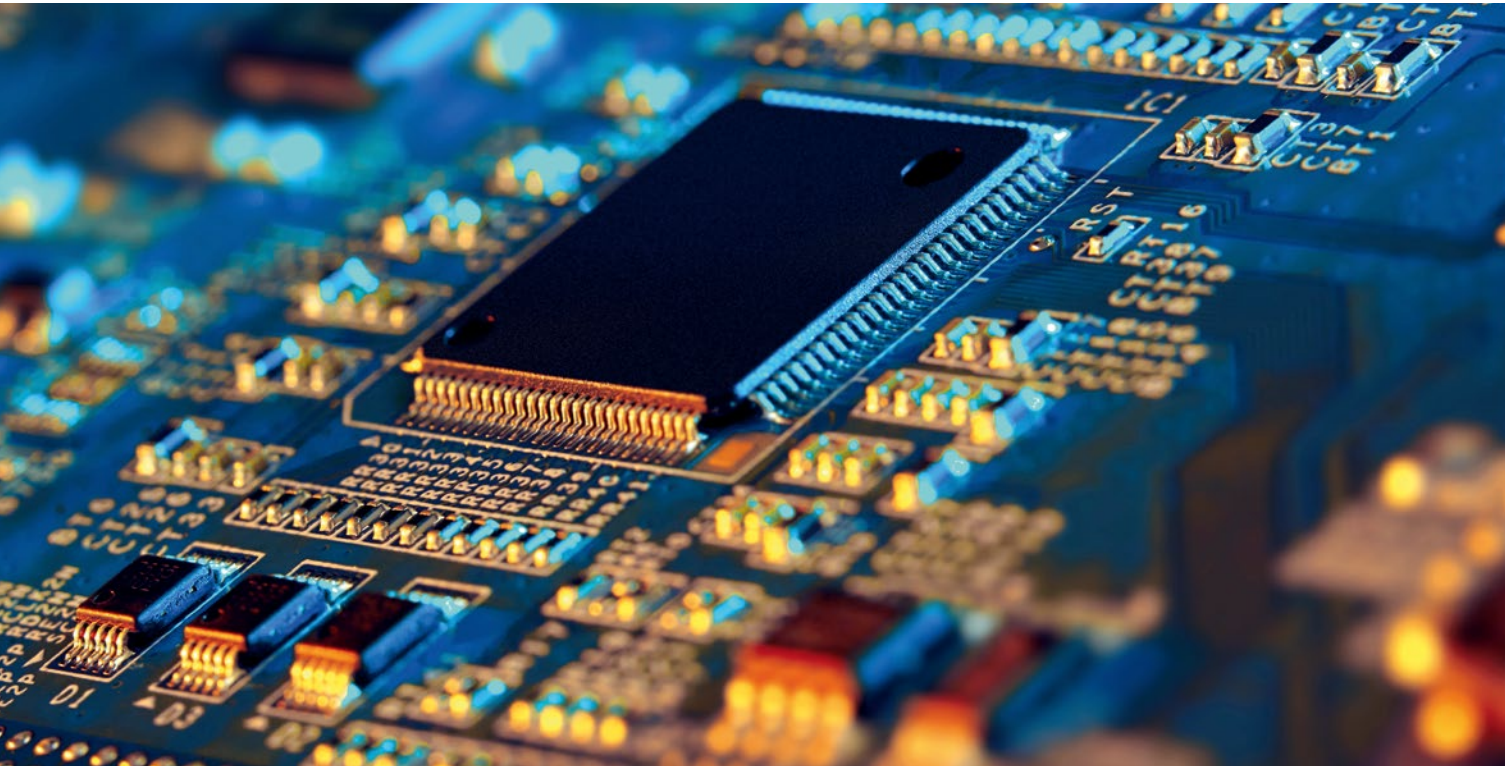
ASSORTMENT OVERVIEW

Electrically Conductive Solutions

Series	Product	Thickness [µm]	Color	Type	Backing	Peel adhesion [N/cm; initial/ultimate]	Contact resistance [mΩ.inch²]	Surface resistance [mΩ.sq]	Shielding effectiveness [dB]	Product description*
						SUS				
tesa® ECT 6025x	tesa® ECT 60251	55	Gray	d/s Tape	Cond. Woven	4.6/0.5	0.05	0.2	>50	Balanced conductivity and bonding
	tesa® ECT 60252	55	Gray	d/s Tape	Cond. Woven	5.5/8.5	0.05	0.2	>50	Balanced conductivity and bonding
	tesa® ECT 60253	70	Gray	d/s Tape	Cond. Woven	4.8/9.7	0.05	0.2	>50	Balanced conductivity and bonding
	tesa® ECT 60254	100	Gray	d/s Tape	Cond. Woven	6.6/10.4	0.05	0.2	>50	Balanced conductivity and bonding
	tesa® ECT 60255	150	Gray	d/s Tape	Cond. Woven	4.5/10.5	0.05	0.2	>50	Balanced conductivity and bonding
	tesa® ECT 60256	200	Gray	d/s Tape	Cond. Woven	4.6/10.6	0.05	0.2	>50	Balanced conductivity and bonding
	tesa® ECT 60257	250	Gray	d/s Tape	Cond. Woven	4.8/10.8	0.05	0.2	>50	Balanced conductivity and bonding
tesa® ECT 6026x	tesa® ECT 60267	17	Gray	d/s Tape	Cond. Non-woven	4.5/5.5	0.02	0.2	>50	Balanced conductivity and bonding
	tesa® ECT 60261	25	Gray	d/s Tape	Cond. Non-woven	4.0/5.6	0.02	0.2	>50	Balanced conductivity and bonding
	tesa® ECT 60260	35	Gray	d/s Tape	Cond. Non-woven	4.0/4.2	0.02	0.2	>50	Balanced conductivity and bonding
	tesa® ECT 60262	50	Gray	d/s Tape	Cond. Non-woven	5.4/8.3	0.02	0.2	>50	Balanced conductivity and bonding
tesa® ECT 6036x	tesa® ECT 60362	50	Gray	d/s Tape	Cond. Woven	7.0/8.0	0.01	0.1	>60	High conductivity, high bonding
	tesa® ECT 60364	100	Gray	d/s Tape	Cond. Woven	8.0/10.0	0.01	0.1	>60	High conductivity, high bonding
tesa® ECT 6037x	tesa® ECT 60371	30	Black	d/s Tape	Non-woven	3.5/5.1	0.01	0.1	>60	Best conductivity
	tesa® ECT 60372	50	Black	d/s Tape	Non-woven	4.3/5.6	0.01	0.1	>60	Best conductivity
	tesa® ECT 60374	100	Black	d/s Tape	Woven	5.7/ 8.5	0.01	0.1	>60	Best conductivity
tesa® ECT 6038x	tesa® ECT 60381	50	Gray	d/s Tape	Woven	8.0/10.0	0.06	0.3	>50	Best bonding
	tesa® ECT 60384	100	Gray	d/s Tape	Woven	8.0/10.0	0.06	0.3	>50	Best bonding
	tesa® ECT 60382	50	Gray	d/s Tape	Non-woven	8.0/10.0	0.06	0.3	>50	Best bonding
	tesa® ECT 60385	100	Gray	d/s Tape	Non-woven	8.0/10.0	0.06	0.3	>50	Best bonding
tesa® ECT 6023x	tesa® ECT 60231	25	Matte black	s/s Tape	Cond. fabric	3.0/4.1	0.05	0.2	>50	Modern, matte black design
	tesa® ECT 60232	35	Matte black	s/s Tape	Cond. fabric	3.5/4.5	0.05	0.2	>50	Modern, matte black design
	tesa® ECT 60234	55	Matte black	s/s Tape	Cond. fabric	4.5/6.5	0.05	0.2	>50	Modern, matte black design
	tesa® ECT 60238	45	Matte black	s/s Tape	Cond. Copper	5.5/7.0	0.05	0.2	>70	Modern, matte black design
tesa® ECT 6053x	tesa® ECT 60537	30	Orange	s/s Tape	Cond. Copper	6.3/7.5	0.05	0.2	>70	High bonding
	tesa® ECT 60538	50	Orange	s/s Tape	Cond. Copper	6.4/7.7	0.03	0.1	>70	High bonding
tesa® ECT 6034x	tesa® ECT 60347	30	Gray	s/s Tape	Cond. fabric	3.5/4.8	0.03	0.2	>60	Low-pressure activation
	tesa® ECT 60348	50	Gray	s/s Tape	Cond. fabric	4.2/5.0	0.03	0.2	>60	Low-pressure activation
tesa® ECT 6031x	tesa® ECT 60317	30	Orange	s/s Tape	Cond. Copper	4.6/5.3	0.03	0.2	>70	Low-pressure activation
	tesa® ECT 60318	50	Orange	s/s Tape	Cond. Copper	5.6/6.2	0.03	0.2	>70	Low-pressure activation
tesa® ECT 6021x	tesa® ECT 60213	200	Gray	s/s Foam Tape	Cond. Soft Foam	4.0/7.1	0.03	0.2	>70	Best conductivity
	tesa® ECT 60214	300	Gray	s/s Foam Tape	Cond. Soft Foam	4.8/8.3	0.03	0.2	>70	Best conductivity
	tesa® ECT 60217	1,500	Gray	s/s Foam Tape	Cond. Soft Foam	5.0/8.5	0.03	0.2	>70	Best conductivity
	tesa® ECT 60218	2,000	Gray	s/s Foam Tape	Cond. Soft Foam	5.0/8.5	0.03	0.2	>70	Best conductivity
tesa® ECT 6068x	tesa® ECT 60685	500	Gray	s/s Foam Tape	Cond. Ultra-soft Foam	6.0/8.0	0.03	0.2	>60	Best compressibility
	tesa® ECT 60687	700	Gray	s/s Foam Tape	Cond. Ultra-soft Foam	6.0/8.0	0.03	0.2	>60	Best compressibility
	tesa® ECT 60688	1,000	Gray	s/s Foam Tape	Cond. Ultra-soft Foam	6.0/8.0	0.03	0.2	>60	Best compressibility
tesa® ECT 6024x	tesa® ECT 60246	300	Gray	s/s Foam Tape	Cond. Gasket Foam	4.1/5.3	0.03	0.2	>70	Best abrasion resistance
	tesa® ECT 60248	500	Gray	s/s Foam Tape	Cond. Gasket Foam	4.8/6.3	0.03	0.2	>70	Best abrasion resistance
	tesa® ECT 60249	700	Gray	s/s Foam Tape	Cond. Gasket Foam	4.8/7.5	0.03	0.2	>70	Best abrasion resistance

Series	Product	Thickness [µm]	Color	Type	Backing	Dynamic shear [N]	Contact resistance [mΩ.inch²]	Surface resistance [mΩ.sq]	Shielding effectiveness [dB]	Product description
tesa® EC HAF 5845x	tesa® EC HAF 58451	30	Black	Structural adhesive	-	>5	0.05	0.5	~40	xyz-conductive
	tesa® EC HAF 58452	50	Black	Structural adhesive	-	>7	0.05	0.5	~40	xyz-conductive
tesa® EC HAF 5842x	tesa® EC HAF 58421	30	Gray	Structural adhesive	-	>5	0.05	-	-	z-conductive
	tesa® EC HAF 58422	50	Gray	Structural adhesive	-	>7	0.05	-	-	z-conductive

THERMAL MANAGEMENT TAPES

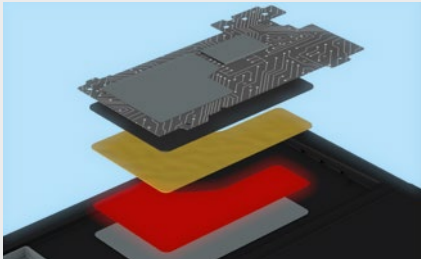


Solutions that Keep Devices Cool

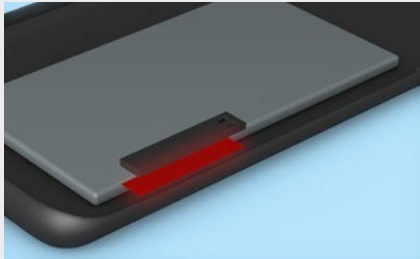
5G technology and the trend towards higher energy consumption generate more heat on components such as core chip modules and antenna applications in mobile devices. This increased temperature of components leads to a variety of effects such as performance and malfunction on the component itself and also on the performance of the

entire device. End users may get a negative image of the device, such as low performance at slow data speeds, low reliability, or discomfort from high surface temperature of the device. These issues need to be addressed and our thermal management tapes can help.

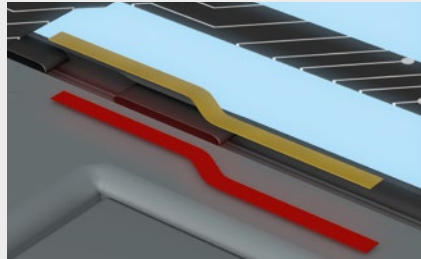
Typical applications of our TMT assortment



Vapor chamber mounting



5G-Antenna mounting

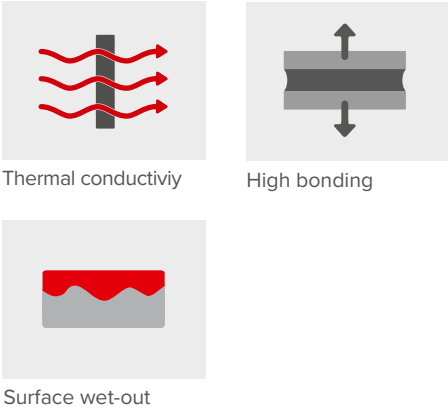
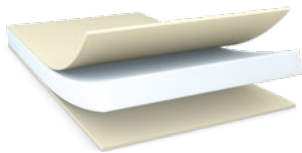


Heat pipe mounting

tesa® TMT 6074x

Normal PSA solutions are limited in their thermal management. This is due to two factors: Low thermal conductivity results from high thermal impedance. Poor wet-out properties lead to air inclusions during bonding process. Therefore, normal PSAs are not very effective in heat dissipation in z-direction.

tesa® TMT 6074x addresses precisely these challenges. The adhesive used has **excellent wet-out** properties and is also supplemented with thermally conductive filler elements to ensure **high thermal conductivity**. A **high bonding strength** enables the secure bonding of different components. Additionally the tape has an **excellent electrical insulation**. tesa® TMT 6074x provides improved thermal conductivity and an **ultra-thin design** solution.



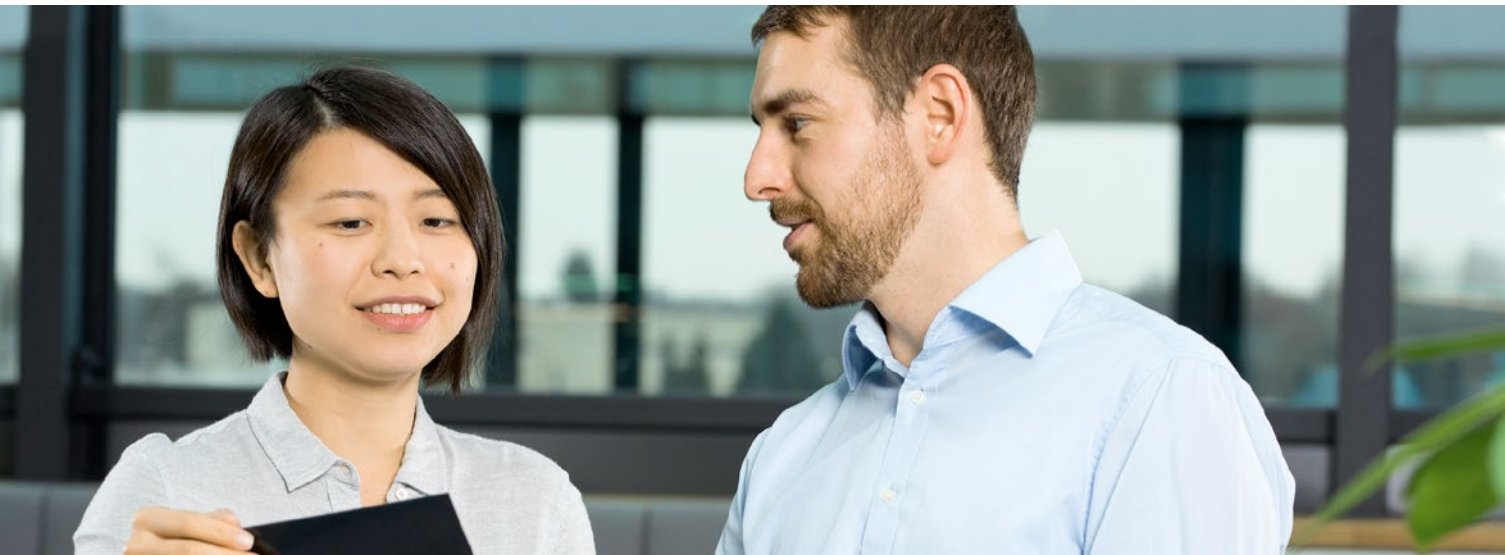
ASSORTMENT OVERVIEW

Thermal Management Tapes

Product	tesa® TMT 60742	tesa® TMT 60743	tesa® TMT 60744	tesa® TMT 60745*
Color	White	White	White	White
Thickness [µm]	10	30	50	100
Thermal conductivity [W/m x K]	0.6	1.0	1.0	1.0
Peel adhesion [N/cm]	3.5	4.0	5.0	>5.0
Wetting [%]	79	81	84	>85
Breakdown voltage [kV]	0.4	1.5	2.9	>2.0

* under development

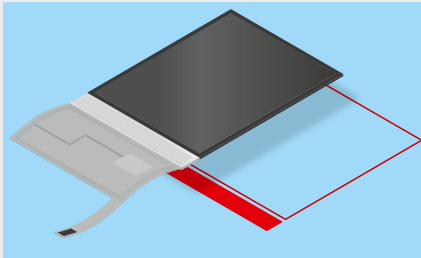
COVERING TAPES



More Functionality for Electronic Devices

Electronic components are evolving one generation after the other, just like our solutions for covering tape. Our portfolio consists of polyester and polyimide tape.

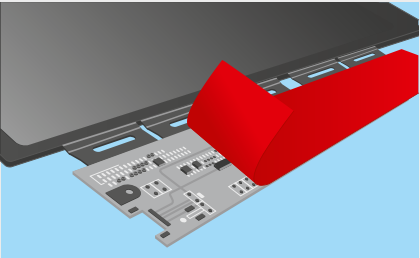
Typical applications of our Covering Tape assortment



Light-blocking in LCD backlight unit



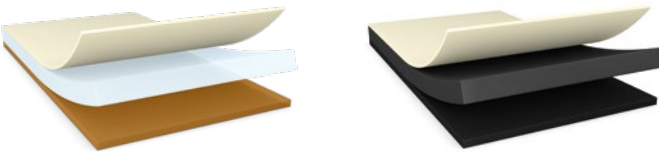
Protection of magnetic sheet and coil in wireless charging

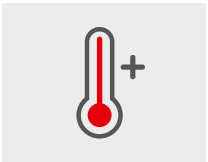


Insulation on PCB and FPC

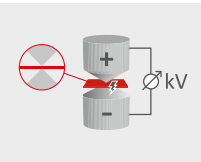
tesa® 663xx/673xx

Our PI covering tapes 663xx and 673xx have polyimide backings to withstand heat and provide stable bonding even under harsh conditions. While tesa® 663xx is the amber version of this product, tesa® 673xx is matte black.





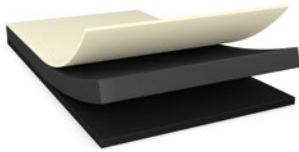
Heat resistance



Dielectric insulation

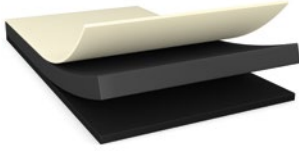
tesa® 79xx

The light-blocking covering tape 79xx ensures that light emission cannot be observed from any angle and offers strong adhesion even on edges and small bonding areas. Due to its matte black color the appearance is very attractive and modern. 7905 is the thinnest covering tape available in the market (5µm).



tesa® 71xx

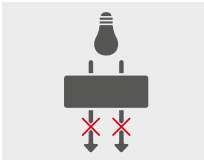
Insulating covering tape 71xx provides strong bonding and withholds high dielectric voltage. The black look can block lights and make interior look unified.



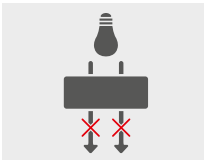
Modern appearance



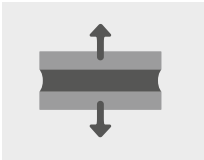
Anti-repulsion



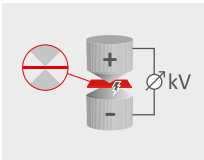
Light-blocking



Light-blocking



High bonding



Dielectric insulation

Series	Product	Thickness [µm]	Color	Type	Peel adhesion [N/cm; initial on steel]	Light blocking [optical density]	Insulation [kV, Dielectric breakdown voltage]
tesa® 663xx	tesa® 66320	20	Amber	s/s Tape	2	n.a.	3.6
	tesa® 66330	30	Amber	s/s Tape	3	n.a.	3.6
	tesa® 66350	50	Amber	s/s Tape	4	n.a.	3.6
tesa® 673xx	tesa® 67310	10	Matte black	s/s Tape	2.1	2.3	1.4
	tesa® 67320	20	Matte black	s/s Tape	1.7	2.4	2.4
	tesa® 67330	30	Matte black	s/s Tape	2.5	2.4	3.6
	tesa® 67350	50	Matte black	s/s Tape	3.5	2.6	3.6
tesa® 79xx	tesa® 7905	5	Matte black	s/s Tape	0.9	1.2	0.7
	tesa® 7908	8	Matte black	s/s Tape	1.2	2.5	1
	tesa® 7910	10	Matte black	s/s Tape	1.2	1.4	1.5
	tesa® 7920	20	Matte black	s/s Tape	1.9	4	2
	tesa® 7930	30	Matte black	s/s Tape	2.6	5.1	4
	tesa® 7950	50	Matte black	s/s Tape	4	5.7	5.5
tesa® 71xx	tesa® 7250	50	Black	s/s Tape	4.2	>6	5
	tesa® 7160	60	Black	s/s Tape	6.2	>6	5.3
	tesa® 7180	80	Black	s/s Tape	6.3	>6	7.5
	tesa® 7100	100	Black	s/s Tape	7.5	>6	7.7



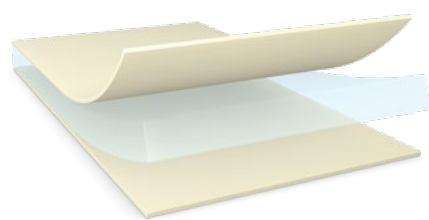
DISPLAY LAMINATION SOLUTIONS

Optically Clear Adhesive Tapes

OPTICALLY CLEAR ADHESIVE TAPES



Displays are integrated into more devices than ever before. As markets progress, new materials and application demands create new challenges for optically clear adhesives. Our assortment reflects this diversity by offering materials with special features to support this dynamic and diverse market. We also know that constant development is needed, and we are working with top industry suppliers to shape and support the next generation of displays.



Our comprehensive assortment is designed to provide a solution for every display application. All our materials are produced in a **clean room** and fulfill **optically clear** requirements, while also being **environmentally stable** and **compatible with other display layers**.

tesa® OCA 6940x
6940x is our versatile flagship series which is a pressure-sensitive OCA tape that offers a well-balanced profile. It is easy to laminate and convert, and is highly compatible with touch sensor films, polarizers, and cover glass. Best results are achieved when used in rigid/flex or flex/flex applications.

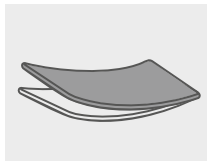
tesa® OCA 6920x
6920x is a pressure-sensitive OCA series which is easy to laminate and convert. It is the best for lamination of films to protect UV-sensitive materials, as it offers UV-blocking for wavelengths below 380 nm. Best results are achieved when used in rigid/flex or flex/flex applications.

tesa® OCA 6960x
6960x is a UV-curable OCA tape that is best for cover glass lamination. It offers superb gap-filling properties to ensure complete ink coverage, and has excellent reliability performance after curing. Suitable for rigid/rigid or rigid/flex applications.

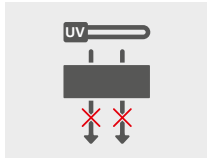
tesa® OCA 6980x
6980x is a UV-curable OCA tape that is outgassing resistant against difficult plastics such as PC and PMMA. It has excellent gap-filling properties, and best-in-class bubble resistance after curing. Suitable for rigid/rigid or rigid/flex applications.

tesa® Barrier OCA 6156x
6156x is a pressure-sensitive OCA tape designed for moisture-sensitive films, displays, or touch panels. It has a low WVTR, low and stable dielectric constant, and provides corrosion resistance. It has excellent compatibility with silver nanowires and other metallic paste materials. Best results are achieved with flex/flex laminations.

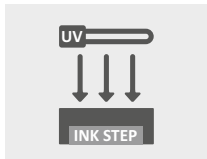
tesa® Barrier Tape 6153x
6153x is a pressure-sensitive adhesive that offers supreme moisture-blocking to protect sensitive materials. It is beige in color, and should be considered for backside encapsulation of OLED, and other nontransparent applications such as protecting organic solar cell materials.



Lamination of films



UV-blocking



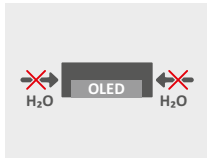
High gap-filling



Outgassing resistance



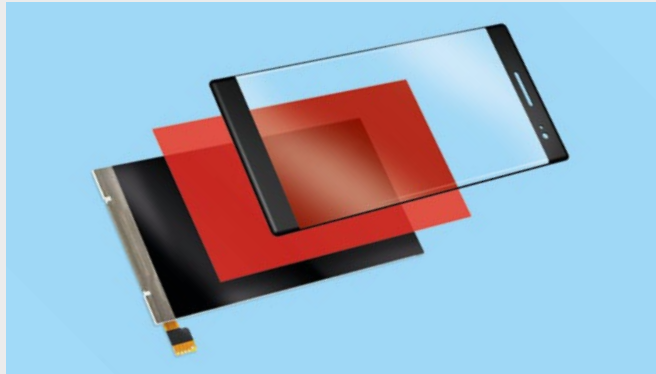
Anti-corrosion



Moisture-blocking

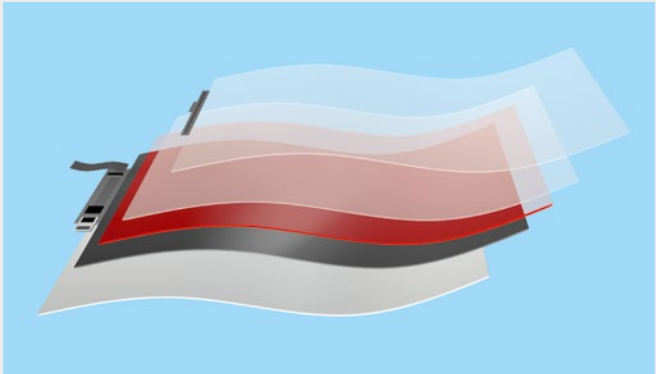
Typical applications of our display lamination tapes

When laminating a display, there are certain basic requirements for an OCA: optical clarity, high transmission, low haze, high bonding strength, and easy lamination. In addition, each special application has its own specific requirements.



Cover lens to touch panel

When laminating these two layers, it is necessary to use adhesive tapes that are able to cover ink (gap-filling) and are compatible with ITO. For plastic good outgassing resistance is indispensable.



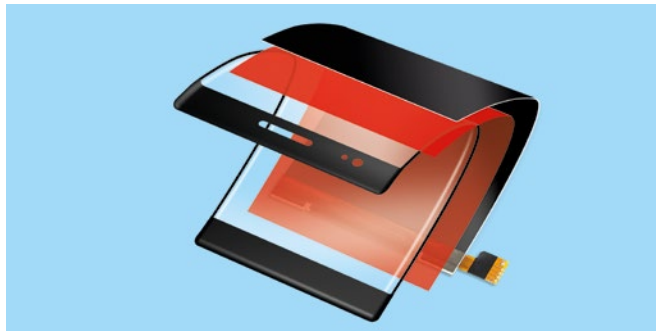
Touch panel to display panel

The lamination of these two layers can be found in LCD as well as in OLED displays. While an easy lamination process and high environmental stability is key for both types of display.

New OCA developments

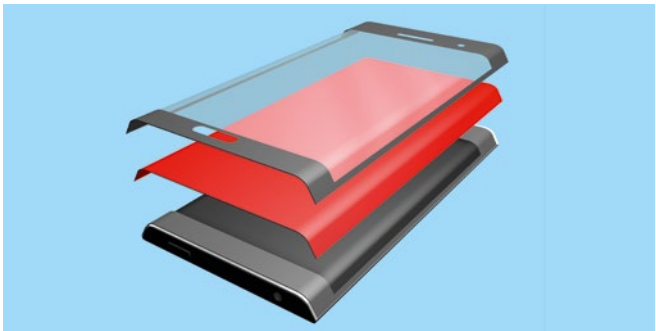
In addition to our active assortment, we are developing new materials to support handheld devices with **foldable and curved-edge displays**, as well as backside **cushioning tape**. Furthermore, we are developing new **OCA tapes for the automotive industry**.

Contact us to learn about our product development pipeline: electronics@tesa.com



Flexible layers

Laminating flexible layers within a foldable or rollable display requires high peel adhesion and very good bending properties. For some special substrates like silver nanowire, an OCA tape with good compatibility is required.



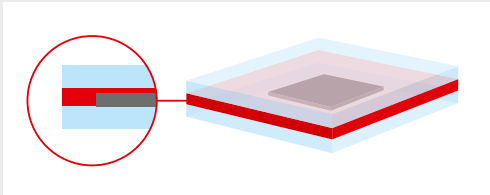
Curved Display

Laminating a curved cover lens to a flexible OLED display requires low tack for easy lamination and good gap filling to cover ink steps. After UV-curing, tapes need to show high bonding strength, resistance to repulsion forces and very good reliability.



Performance Test Methods

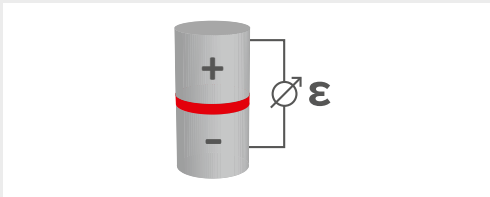
Gap-filling



Cross test

In order to test the ability to cover ink, we have developed the cross test. An ink cross is printed on glass, and shows if the adhesive covers the ink fully or if air entrapments appear as a result of insufficient ink coverage. This determines the gap-filling properties of our OCA tapes. As we use glass/glass, our ink coverage values are lower than if we used flexible substrates such as flexible films.

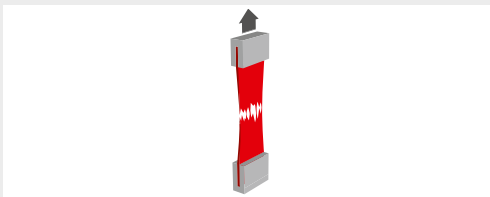
Dielectric constant



Dielectric constant

Determining the proper dielectric constant is critical for the touch sensitivity of every display. Certain dielectric constant values of the adhesive in the desired frequency range ensure the touch functions as intended within the design. The dielectric constant of tape is determined by means of the capacitance method.

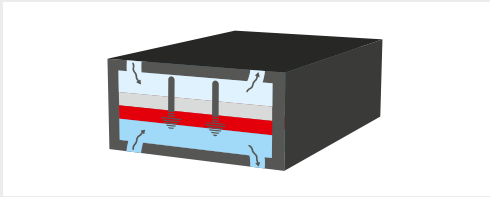
Young's modulus



Young's modulus

A critical mechanical property of materials can be described by the Young's modulus. This value is measured in a uniaxial tension test, where a strip of tape is pulled apart. The faster the stress rises versus the strain in the linear elastic region of the material, the higher the Young's modulus. In this test, we can also determine the yield stress, ultimate stress, and elongation at break.

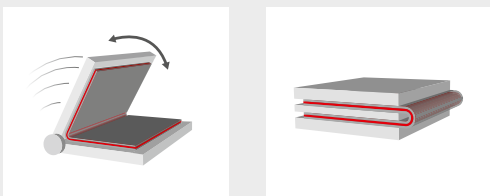
Barrier performance



WVTR method

The water vapor transmission range (WVTR) is measured with a special chamber. The amount of water that can diffuse through a sample per time is measured where the tape is adhered between two chambers with different humidities. For our test, the test condition is 38°C, 90% RH.

Bending properties



Dynamic bending

Static bending

To evaluate the most appropriate solution for foldable device, static and dynamic bending test are designed with customized material layers, and specific bending radii under different environmental test conditions. We have capabilities to perform custom bending tests based on different radii, frequencies, and environmental conditions.

ASSORTMENT OVERVIEW

Display Lamination Tapes

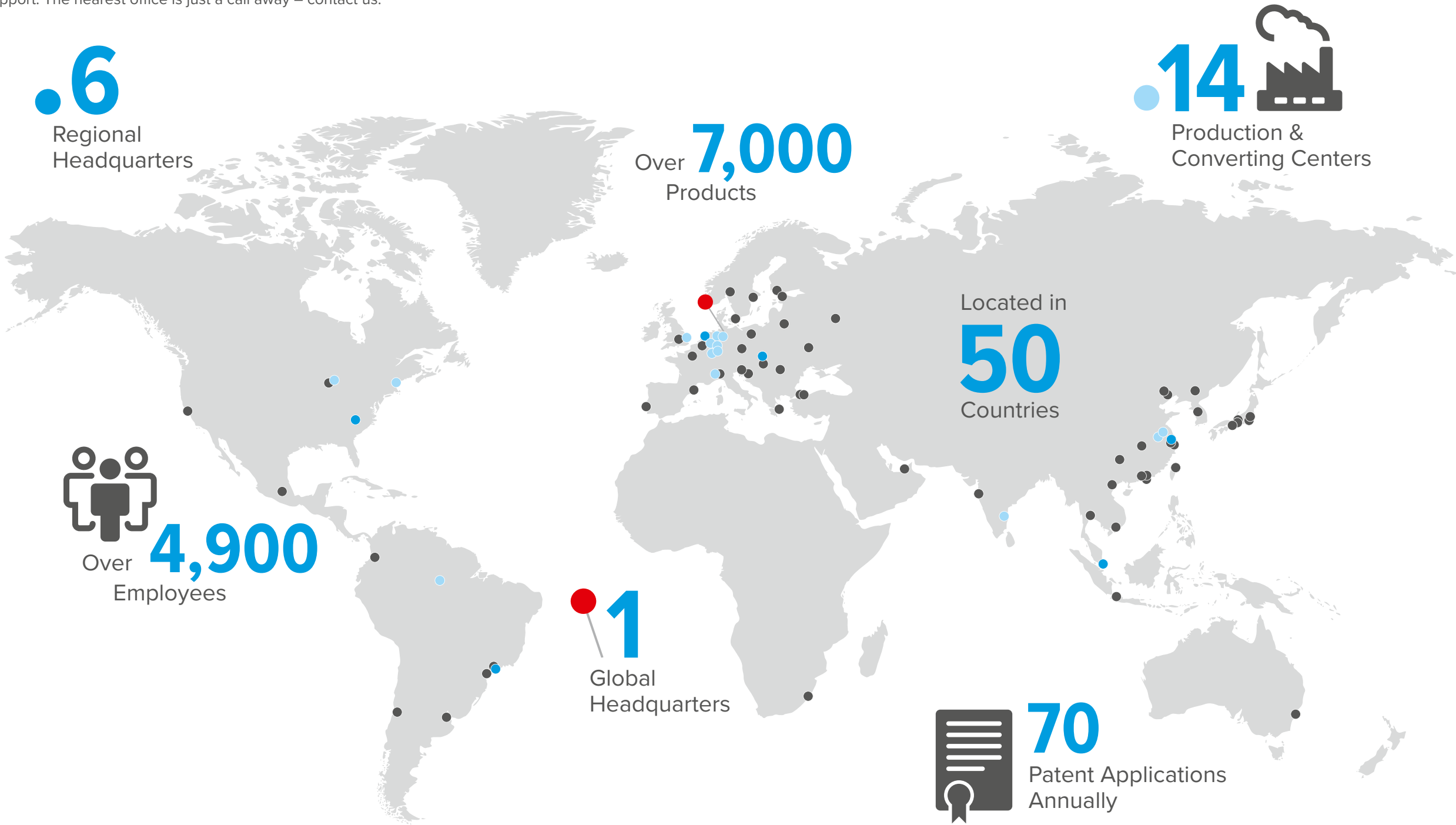
Series	Product	Thickness [µm]	Color	Type	Transmission [%]	Haze [%]	Color			Refractive index	Peel adhesion* [N/cm**]				Gap-filling* [%]	Dielectric constant [100 kHz]	Young's modulus* [MPa]	Features
							L	a	b		Glass	PET	PC	PMMA				
tesa® OCA 694xx	tesa® OCA 69401	25	Transparent	PSA	>99	<0.5	99.95	0.00	0.02	1.48	5.4	4.1	5.9	5.8	10	4.9	0.33	Lamination of films
	tesa® OCA 69402	50	Transparent	PSA	>99	<0.5	99.84	0.00	0.03	1.48	6.3	4.3	6.4	6	10	4.9	0.33	Lamination of films
	tesa® OCA 69404	100	Transparent	PSA	>99	<0.5	99.70	-0.03	0.08	1.48	6.9	4.8	7	6.2	10	4.9	0.33	Lamination of films
	tesa® OCA 69405	125	Transparent	PSA	>99	<0.5	99.60	-0.06	0.13	1.48	7.8	5.4	7.7	6.4	10	4.9	0.33	Lamination of films
tesa® OCA 692xx	tesa® OCA 69204	100	Transparent	PSA	>99	<0.5	99.60	-0.16	0.50	1.48	6.9	4.8	7	6.2	10	4.9	0.33	UV-blocking
	tesa® OCA 69206	150	Transparent	PSA	>99	<0.5	99.30	-0.16	0.52	1.48	7.1	5.2	7.2	6.6	10	4.9	0.33	UV-blocking
	tesa® OCA 69208	200	Transparent	PSA	>99	<0.5	99.00	-0.16	0.55	1.48	7.4	5.4	7.5	6.9	10	4.9	0.33	UV-blocking
tesa® OCA 696xx	tesa® OCA 69604	100	Transparent	UV-curable	>99	<0.5	99.50	-0.04	0.04	1.48	11.1	7.9	10.0	10.1	25	4.5	0.29	High gap-filling
	tesa® OCA 69605	125	Transparent	UV-curable	>99	<0.5	99.40	-0.04	0.05	1.48	12.0	8.6	10.5	10.6	25	4.5	0.29	High gap-filling
	tesa® OCA 69606	150	Transparent	UV-curable	>99	<0.5	99.30	-0.05	0.06	1.48	13.3	8.8	10.8	11.2	25	4.5	0.29	High gap-filling
	tesa® OCA 69607	175	Transparent	UV-curable	>99	<0.5	99.00	-0.06	0.08	1.48	14.2	9.3	11.5	12.1	25	4.5	0.29	High gap-filling
	tesa® OCA 69608	200	Transparent	UV-curable	>99	<0.5	98.80	-0.07	0.09	1.48	14.9	9.6	12.4	13.2	25	4.5	0.29	High gap-filling
tesa® OCA 698xx	tesa® OCA 69802	50	Transparent	UV-curable	>99	<0.5	99.90	-0.05	0.06	1.48	8.5	6.7	8.7	7.7	30	4.7	1.0	Outgassing resistant
	tesa® OCA 69804	100	Transparent	UV-curable	>99	<0.5	99.60	-0.06	0.12	1.48	10.2	7.6	9.8	8.9	30	4.7	1.0	Outgassing resistant
	tesa® OCA 69806	150	Transparent	UV-curable	>99	<0.5	99.40	-0.08	0.18	1.48	12.0	8.1	10.3	9.3	30	4.7	1.0	Outgassing resistant
	tesa® OCA 69808	200	Transparent	UV-curable	>99	<0.5	99.10	-0.11	0.21	1.48	12.8	8.5	11.3	10.8	30	4.7	1.0	Outgassing resistant
tesa® Barrier OCA 6156x	tesa® Barrier OCA 61562	25	Transparent	PSA	>99	<0.5	99.80	-0.04	0.12	1.52	4.5	2.9	4.1	4.4	<10	2.56	2.00	Low dielectric constant, low WVTR
	tesa® Barrier OCA 61563	50	Transparent	PSA	>99	<0.5	99.80	-0.05	0.15	1.52	5	3.3	4.7	4.8	<10	2.56	2.00	Low dielectric constant, low WVTR
	tesa® Barrier OCA 61564	75	Transparent	PSA	>99	<0.5	99.70	-0.07	0.18	1.52	5.2	3.5	5	5.4	<10	2.56	2.00	Low dielectric constant, low WVTR
tesa® Barrier Tape 6153x	tesa® Barrier Tape 61531	25	Beige	PSA	n.a.	n.a.	n.a.	n.a.	n.a.	1.52	4.5	3.9	4.6	Upon request	<10	2.92	2.20	Moisture-blocking
	tesa® Barrier Tape 61533	50	Beige	PSA	n.a.	n.a.	n.a.	n.a.	n.a.	1.52	6.5	6.0	6.8	Upon request	<10	2.92	2.20	Moisture-blocking

* for UV-curable tape, the data after UV-curing.
** 180°; 300mm/min.

GLOBAL PRESENCE

A Global Partner Providing Local Support

We are one of the leading global manufacturers of self-adhesive tapes. Our product solutions prove their performance in countless industrial sectors around the globe. Our sales offices, R&D centers, and production facilities offer worldwide support. The nearest office is just a call away – contact us.



Your Local Contacts

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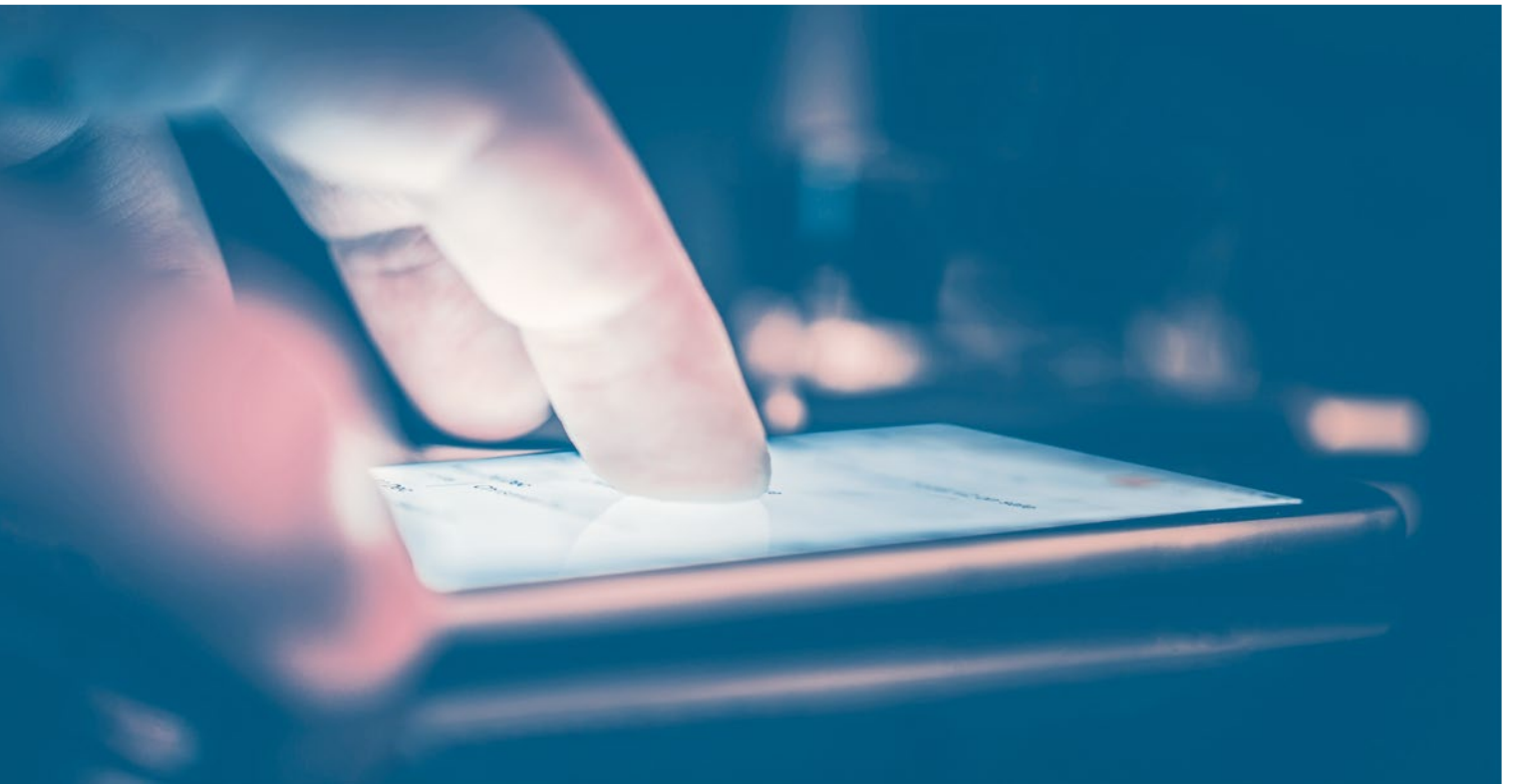
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Our management system is certified according to the standards ISO 9001, IATF 16949, and ISO 14001.