

Adhesive tape solutions for consumer electronics

Enabling the future of consumer electronic devices

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 continuously 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 available globally to support you locally. In particular, 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 equipment is at your disposal to find the adhesive solution for your needs.

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Your complete partner

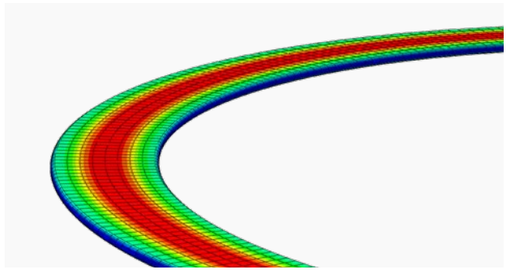
Solutions that go beyond tape

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' expectations. Our capability goes beyond tape, as we also offer a comprehensive technical product package.



Our labs and technical experts
With our extensive experience in adhesive technology, we have developed a large portfolio of adhesive products for electronics applications.

Our technical experts will support you throughout your entire product development process and help you find the optimal solution for your requirements.

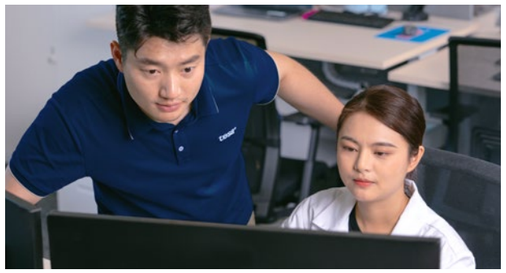


Finite Element Analysis (FEA)
FEA is a critical tool in the design and optimization of products, allowing engineers to predict the behavior of materials and components under various conditions. At tesa, we have developed significant expertise in material modeling and FEA. This enables us to offer our customers detailed virtual insights into the performance of our adhesive solutions.

Our FEA capabilities extend across a wide range of applications, where we support our customers in stress analysis, thermal simulations, and dynamic modeling. Using accurate predictions will help optimize product designs, reduce costs, and enhance reliability. We leverage state-of-the-art and advanced modeling techniques to deliver precise simulations that reflect real-world conditions.

By integrating FEA into your development process, you can ensure that our adhesive tapes meet the highest standards of performance and durability in your applications.

If you are interested in material modeling and FEA, please contact our sales representative.



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

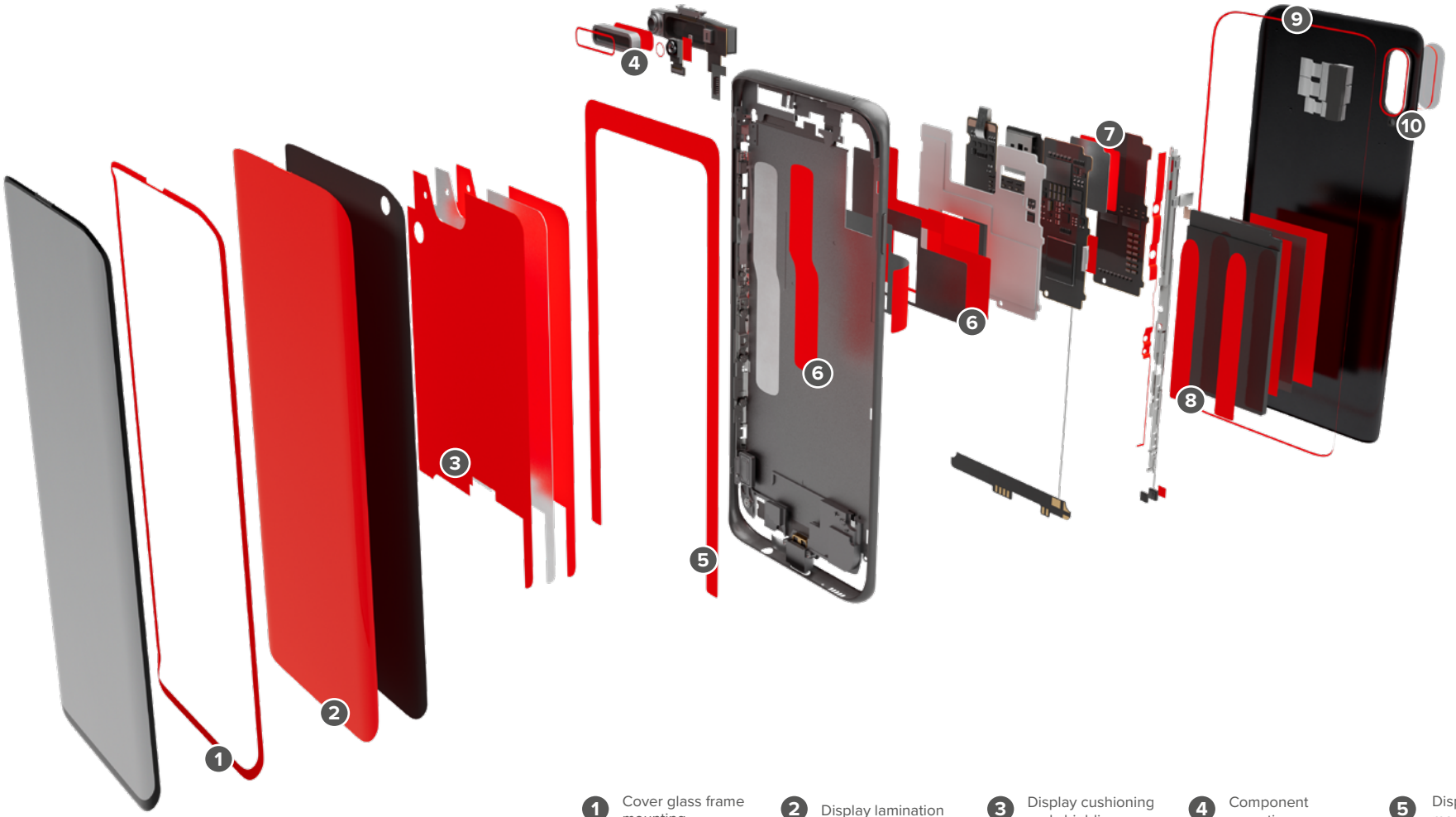
Comprehensive tape solutions for electronic devices

Our extensive expertise in tape application within the electronics sector empowers us to provide exceptional support and guidance in selecting the finest tape solutions for your needs.

We are committed to enhancing your product development from start to finish. By prioritizing your needs and those of your suppliers, we ensure personalized and dedicated service. Our mastery in tape applications equips us to offer you the best in adhesive tape solutions, staying abreast of the latest innovations and market technologies in electronics. This enables us to supply a diverse array of specially designed adhesive tapes for smartphones, tablets, and other electronic devices.

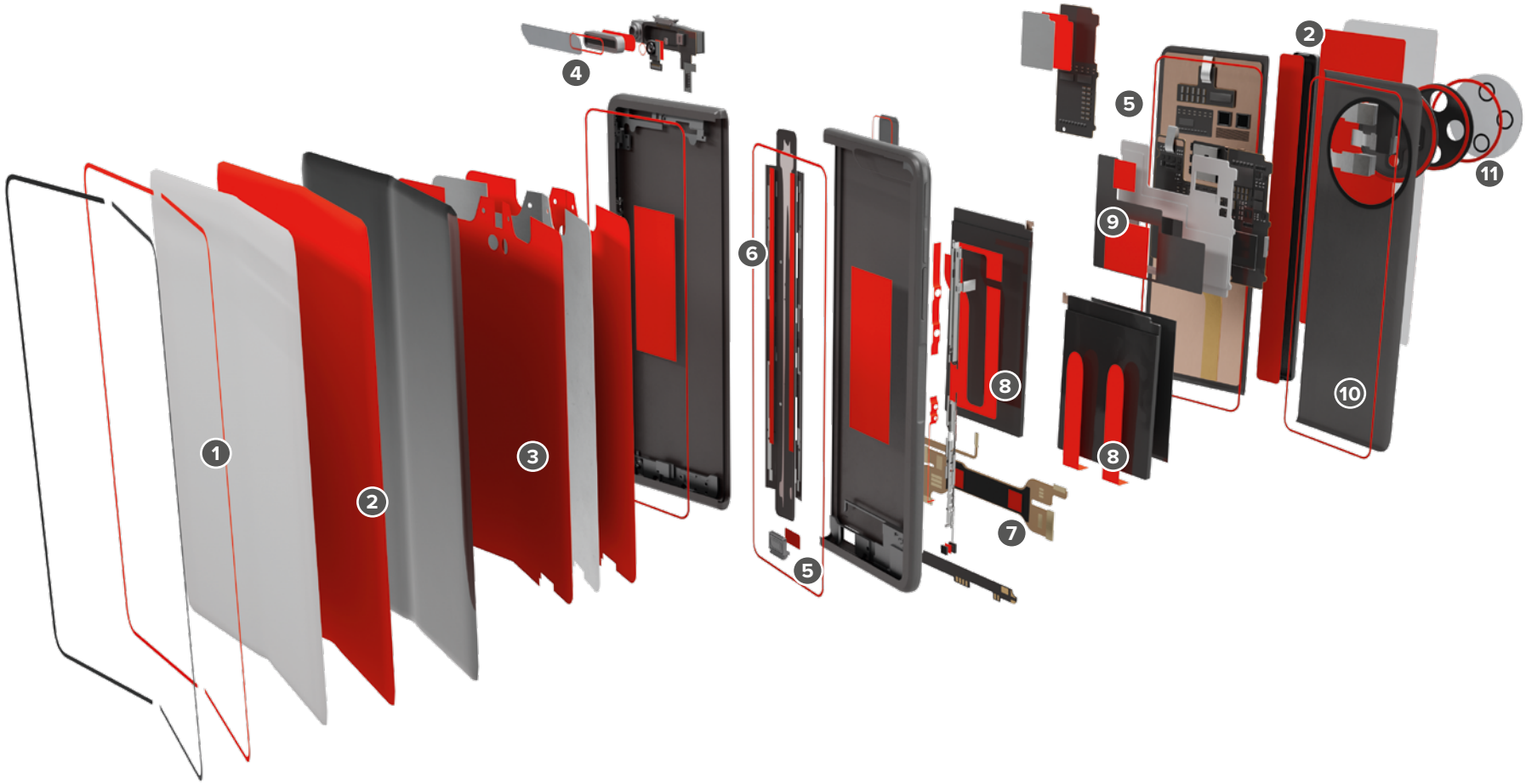


Tapes for your success – Smartphones



1 Cover glass frame mounting
2 Display lamination
3 Display cushioning and shielding
4 Component mounting
5 Display bottom mounting
6 Thermal management
7 Grounding and shielding
8 Battery mounting
9 Back cover mounting
10 Camera lens mounting

Tapes for your success – Foldable smartphones



1 Display bezel mounting

2 Display lamination

3 Display cushioning and shielding

4 Component mounting

5 Display bottom mounting

6 Hinge mounting

7 Shielding, grounding & FPC mounting

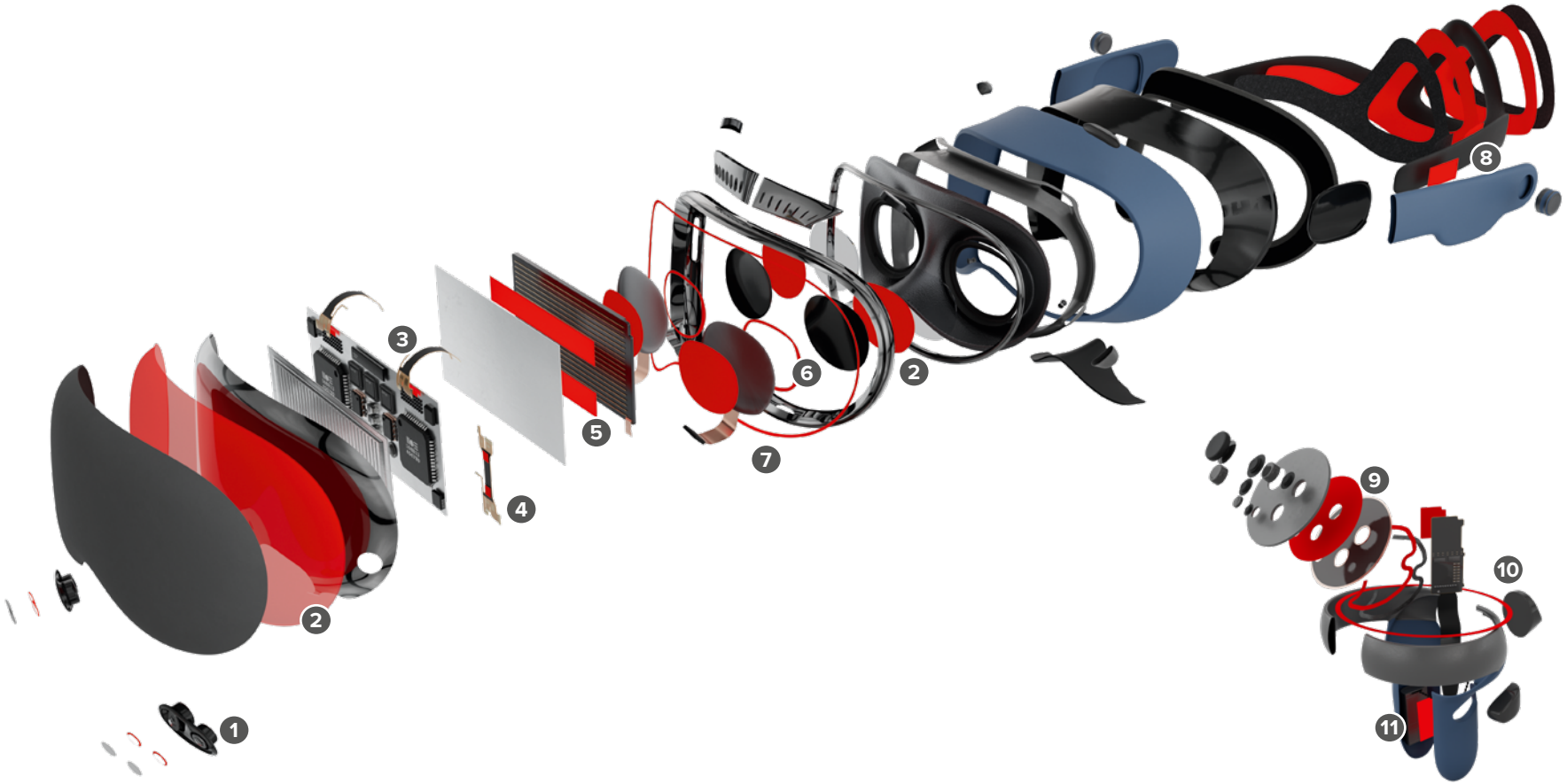
8 Battery mounting

9 Thermal management

10 Back cover mounting

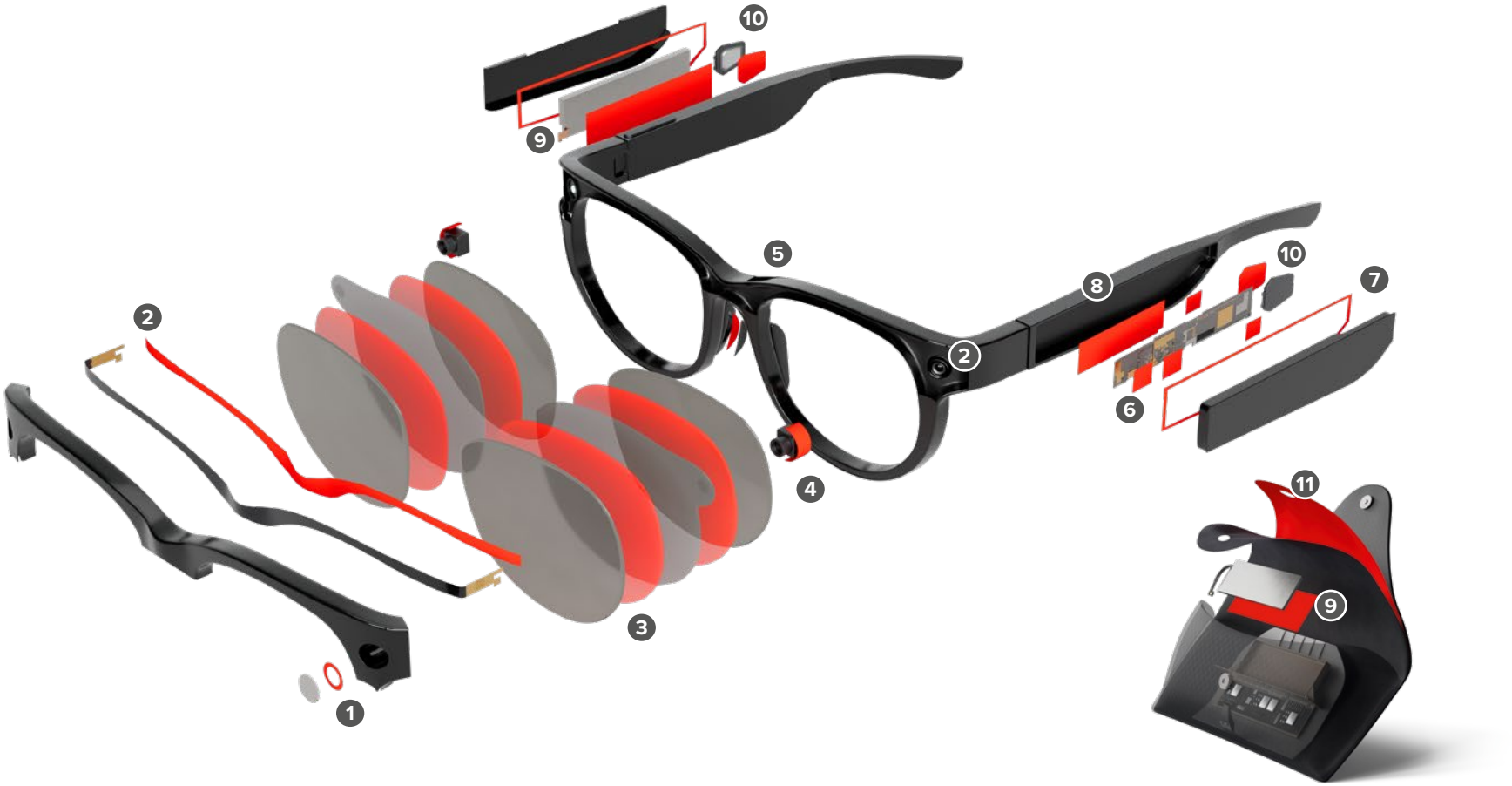
11 Camera deco/ lens mounting

Tapes for your success – AR/VR device



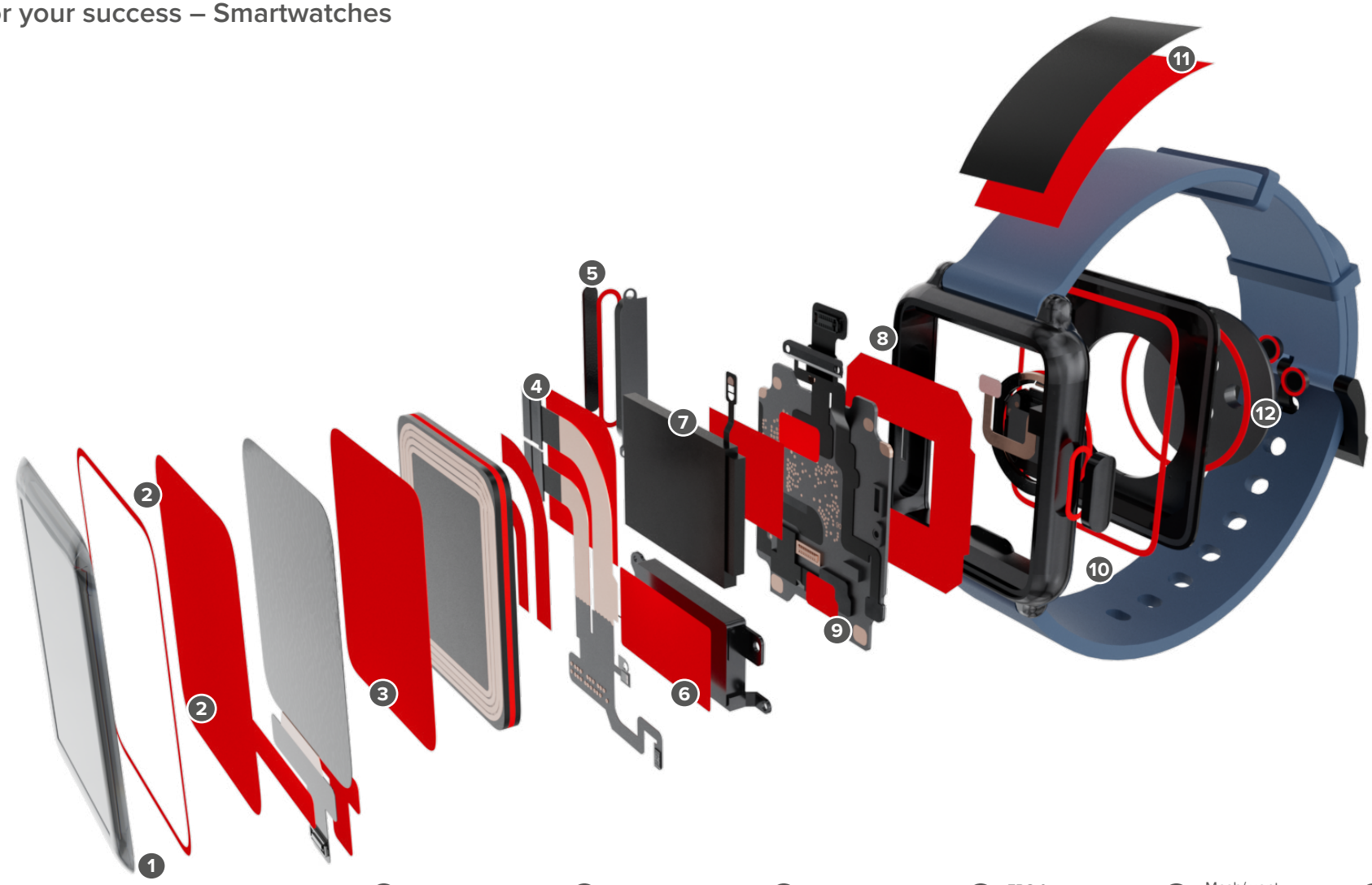
1. Camera lens mounting
2. Display lamination
3. Component mounting
4. Shielding, grounding & FPC mounting
5. Battery mounting
6. Display lens mounting
7. Display frame mounting
8. Soft goods mounting
9. Controller cover mounting
10. Controller FPC mounting
11. Controller vibrator mounting

Tapes for your success – AI / AR glasses



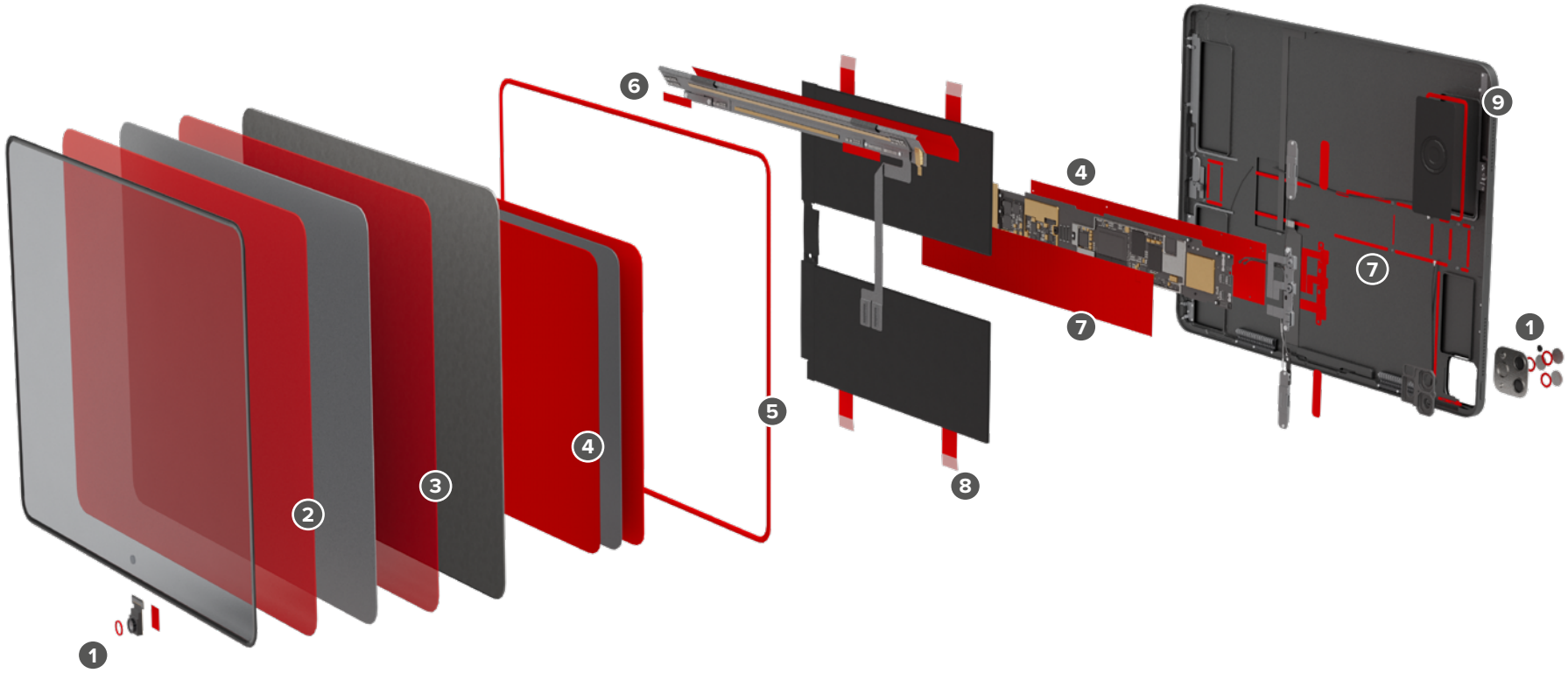
1 Camera lens mounting
2 FPC mounting
3 Optical lens lamination
4 Light blocking
5 Nose pads mounting
6 Grounding and shielding
7 Frame mounting
8 Thermal management
9 Battery mounting
10 Component mounting
11 Soft goods mounting

Tapes for your success – Smartwatches



1 Cover lens mounting
2 Display lamination
3 Display bottom lamination
4 FPC & antenna mounting
5 Mesh/ vent mounting
6 Covering and insulation
7 Battery mounting
8 Grounding and shielding
9 Thermal management
10 Side key mounting
11 Soft goods mounting
12 Back cover / sensor lens mounting

Tapes for your success – Tablets



1 Camera lens mounting

2 Display lamination

3 Display cushioning

4 Thermal management and graphite sheet lamination

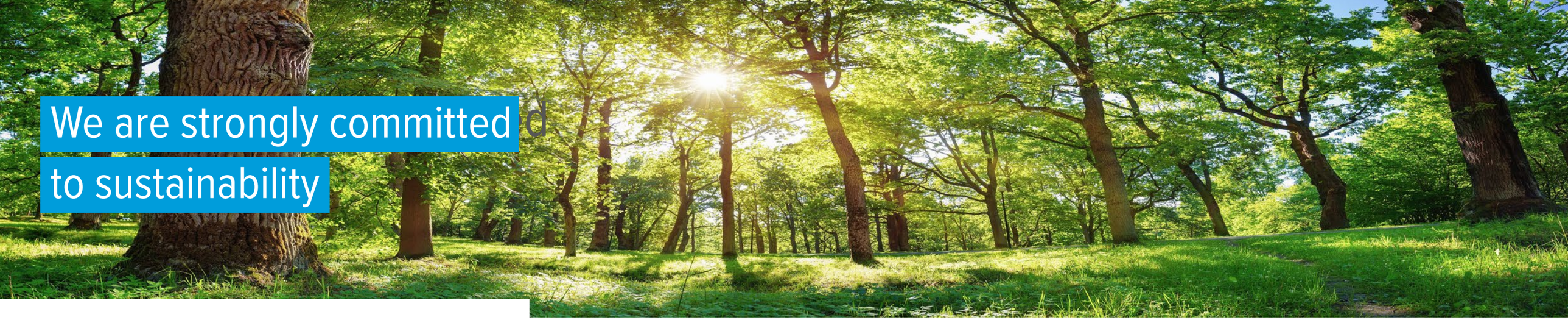
5 Cover glass frame mounting

6 FPC mounting

7 Grounding and shielding

8 Battery mounting

9 Component mounting



We are strongly committed to sustainability

Sustainability and performance go hand in hand

At tesa, we believe that quality, innovation, performance, and sustainability all go together in this journey. Therefore, our assortment does not compromise the reliability and state-of-the-art bonding capabilities our customers rely on. By aligning our products with the needs of our customers, we contribute towards helping them achieve their own sustainability goals.

More than six hundred scientists, engineers, and product developers at tesa are exploring ways to improve the sustainability of our products. We are expanding our use of recycled and bio-based materials across all our solutions, for example our assortment of foam, film and electrically conductive tapes for consumer electronic applications.

Given the strong push by the EU on repairability and waste reduction in consumer electronics, it has become increasingly important to be able to disassemble and rework devices. tesa's "Debonding on Demand" has the potential to cut waste, boost recycling, enable product repairs and promote a circular economy across industries.

Want to know more about sustainability at tesa? Click the QR code!

Reduce emissions



Tackling the global climate crisis and accelerating positive change are central elements of our commitment. Our mission to reduce global emissions includes upstream and downstream processes as well as our own production.

We record, consolidate, and analyze our energy consumption in accordance with the guidelines of the Greenhouse Gas Protocol. Green energy is a key pillar of our commitment. Since 2020, we have sourced 100 percent of our purchased electricity from renewable energy sources.

Additionally, we are progressing towards carbon neutrality in our plants by investing in measures to increase green fuel consumption. For example, tesa plant Hamburg is to be connected to the hydrogen network, which will save around 6,000 metric tons of CO_2 per year.

Source responsibly



Responsible procurement is the first step in the life cycle of a sustainable product.

We want to ensure that fair working conditions and human rights as well as environmental protection are in place in the supply chain. To do this, we strictly enforce supplier traceability and high transparency of our value chain: certifying our raw materials, evaluating suppliers and participating in associations.

More than 800 suppliers worldwide deliver raw materials, products and services to tesa. To source more responsibly, we launched our Supplier Green Energy Program in 2024 aiming to increase the share of renewable energy in the value chain and significantly reduce CO_2 emissions. Together with our suppliers, we identify challenges and implement specific solutions that support progress for decarbonization. We are in this together.

Rethink materials



tesa has set itself the goal of significantly increasing product sustainability and is working on this every day.

Over the last years, we have developed and launched a wide assortment of more sustainable products for the electronics sector, and we are working on many more. In doing so, we are focusing on the reduction of non-recycled fossil plastics and will increasingly use recycled and bio-based materials.

We have a comprehensive carbon footprint database, and we are continuously improving our data quality. Additionally, we conduct external life cycle assessments to ensure a science-based approach.

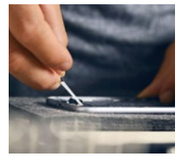
Push circularity



tesa will contribute to the circular economy and use resources as carefully as possible. First and foremost, this involves avoiding waste. Whenever this is not possible, we reduce it. If waste is unavoidable, we seek to reuse or recycle it by various means.

Since 2023, we have made significant progress in reducing plastic film liner usage and initiated pilot projects with customers to collect and reuse plastic end-wall covers for log rolls. Thanks to this, we are recovering approximately 165,000 end-walls from customers.

Support customers

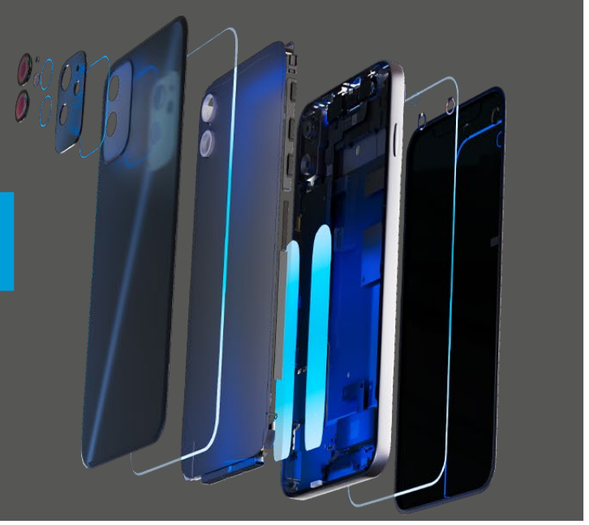


Our versatile building blocks empower customers to improve reworkability in production, enhance repairability throughout the lifespan of devices, and achieve optimal recyclability after their life cycle.

tesa is at the forefront of revolutionizing the industry with our groundbreaking **"Debonding on Demand"** adhesive tapes: tesa® Bond & Detach has set a solid foundation for more sustainable and efficient manufacturing processes.

Our intelligent and innovative tapes (such as the electrical, laser and thermal debonding tapes) deliver on the promise of permanent and secure adhesive bonds, with the added benefit of being removed without leaving any residue. This opens up a new world of possibilities for innovative and sustainable industrial design for our customers.

tesa® Debonding on Demand solutions

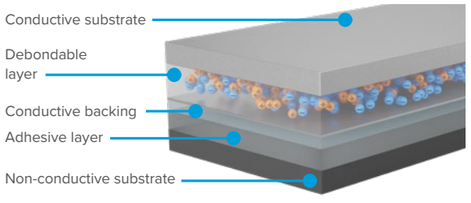


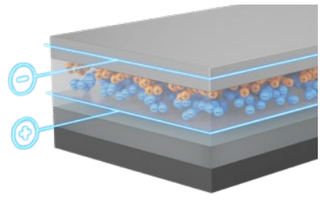
Changing consumer expectations and new legislative requirements are pushing manufacturers to build devices that are both more durable and easier to repair. Yet these goals often conflict: for example, high levels of waterproofing typically rely on strong adhesive bonding properties, which can make the replacement of components significantly harder.

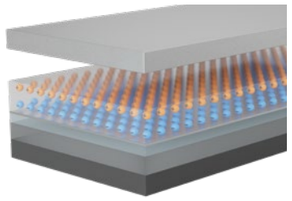
tesa® Debonding on Demand tapes overcome this challenge. Built to withstand everyday challenges - from water and dust exposure to the impact of accidental drops - they deliver the protective performance modern devices require. At the same time, their smart debonding function enables the efficient, clean separation of components whenever repair, rework, or recycling is needed.

Our tesa® Debonding on Demand tapes offer reliable bonding and easy release, providing maximum design freedom for our customers – engineered for the next generation of electronic devices.

From concept to reality: How Debonding on Demand works







Cations
Anions

The tape consists of three layers: a debondable layer containing an ionic liquid that functions as an electrolyte and can move freely within its adhesive matrix, a conductive backing, and a conventional adhesive layer.

When a voltage is applied, the ions inside the debondable layer begin to migrate. Cations move toward the negative electrode, while anions migrate toward the positive electrode.

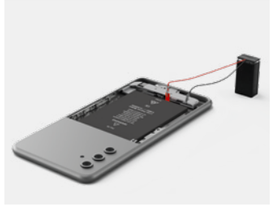
The resulting electrochemical reaction within the adhesive significantly reduces its adhesion to the conductive substrate. As a result, the tape can be cleanly removed without leaving any residue.



The battery is mounted to the smartphone housing with our tesa® DoDTech tape.



Delivering strong and reliable bonding and engineered to withstand impact of drops.



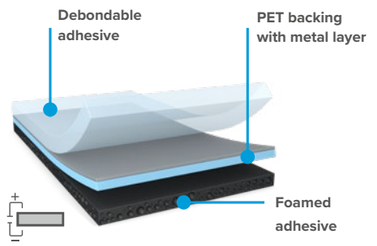
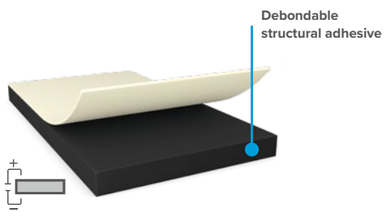
Applying a low voltage activates the debonding function.



Allowing the battery to be removed quickly and cleanly.

Assortment overview

We offer our tesa® Debonding on Demand tapes based on both pressure-sensitive adhesive (PSA) and structural bonding technologies. Each solution provides a distinct performance profile and shows its strengths depending on the application requirements. The following section illustrates product designs based on PSA and structural bonding technologies.

	PSA solution		Structural bonding solution
Design		**Design**	
Thickness [µm]	100 (tesa® 6150 and tesa® 87550)*	**Thickness [µm]**	150 (tesa® 58436)*
Color	Silver / black	**Color**	Black
Peel adhesion after 7d [N/mm]	8.0 (debondable side/steel)	**Tensile strength [N/mm²]**	5.0 (steel/steel)
Peel adhesion after 90 s @ 9 V [N/mm]	< 0.1 (debondable side/steel)	**Tensile strength after 300 s @ 30 V [N/mm²]**	0.2 (steel/steel)
Product features	• High bonding performance • High shock properties • Easy and residue-free debonding after applying voltage	**Product features**	• Extremely high bonding performance, even on thin design gaps • Activated at low temperature and pressure (> 85°C) • Outstanding chemical resistance • Easy and residue-free debonding after applying voltage
Product description	tesa® 6150 and tesa® 87550 must be laminated at the converter. The final laminate is a debondable PSA tape and equipped with a conductive backing. It is designed for applications with at least one conductive substrate.	**Product description**	tesa® 5843x is a debondable, low-temperature reactive structural bonding film. Supplied in black and without a backing, it is designed for applications with two conductive substrates.

* other thicknesses available upon request

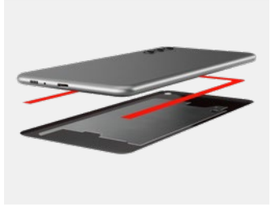
Typical applications



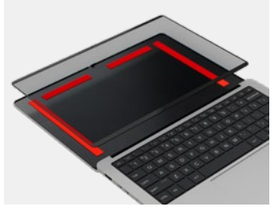
Battery mounting



Back cover mounting



Display bottom mounting



Panel mounting



Structural bonding solutions

The best reliability for the toughest demands

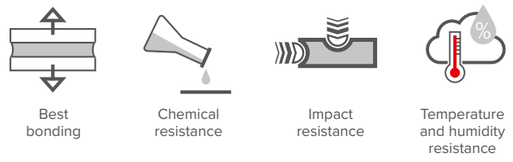
tesa® structural bonding solutions provide high bonding performance to a wide variety of substrates. They withstand the harshest conditions by combining outstanding chemical and aging resistance. The processing of these adhesive systems is simplified due to excellent die cuttability, immediate handling stability after activation, and low oozing.

Heat-activated films
tesa HAF® is a thermosetting adhesive system. An irreversible cross-linking reaction is initiated by heat and pressure starting at temperatures above 120°C, resulting in extremely strong bonds.

Low-temperature activated films
Our low-temperature reactive films tesa® LTR and tesa® LTC have been designed for activation at moderate temperatures. The cross-linking starts at a bond-line temperature above 75°C.

Light-activated tapes
tesa® UV epoxy and tesa® L-tape are our latest developments that will cure at room temperature when exposed to light. They achieve significantly higher bonding strengths compared to PSAs. They come with high initial tack and immediate holding strength after bonding.

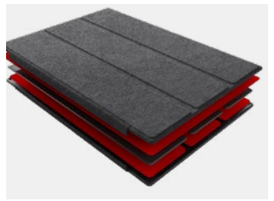
Features

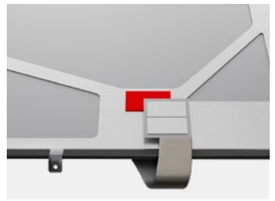


Typical applications

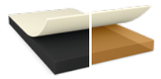
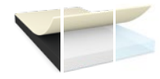
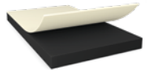
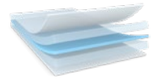
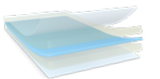

Component mounting


Cover lens mounting


Soft goods bonding


FPC mounting

Assortment overview

		Heat-activated films	Low-temperature activated films		Light-activated tapes	
		tesa® HAF®	tesa® LTR	tesa® LTC	tesa® UV epoxy NEW	tesa® L-tape NEW
Design						
Color		Black, amber	Black, white, translucent	Black	Transparent	Translucent yellow
Adhesive		Nitrile rubber/phenolic resin	Cross-linkable polyurethane	Cross-linkable polyurethane	Light activated	Light curable
Activation temperature [°C]		>120	>75	>75	Room temperature	Room temperature
Special features		Temperature resistance, chemical resistance	Impact resistance, wettability on fabrics	Impact resistance, chemical resistance	Activation at RT with 365nm UV light, chemical resistance	Activation at RT with 460nm blue light, excellent bonding performance, low oozing
Thickness	**10 µm**	● 58469				
	20 µm	● 58477				
	25 µm			● 58720		
	30 µm	● 58471 ● 8471	○ 8711			
	50 µm	● 58470	● 58480 ○ 8710 ○ 8722	● 58722	○ 88042***	○ 61682
	60 µm	● 8472				
	80 µm	● 58473				
	100 µm	● 58474 ● 8474	● 58484 ○ 8714	● 58724	○ 88044	○ 61684
	125 µm	● 58475 ● 8475				
	150 µm	● 58476	● 58486	● 58726		
	200 µm	● 58478 ● 8478	● 58488	● 58728	○ 88048	○ 61688
	250 µm			● 58729		
	300 µm		● 58489			
Product performance	**Reference product**	● 58474	● 58484	● 58724	○ 88044	○ 61684
	Reference substrate	SUS/SUS	PC/PC	Al/Al	SUS/SUS	Al/PC
	Push-out [MPa]	>9.0	>5.5	>4.0	5	8
	DuPont [J; xy/z]	>0.5	>4.0	>1.0	>0.3	>0.6
	Reliability*	●●●●	●●●	●●●●	●●●●	●●●
	Chemical resistance*	●●●●	●●	●●●	●●●	●●

* Assessment is done in relation to other products in this assortment
** Deviating thickness
*** Prototype

● Amber ○ Translucent ○ White ● Black



Acrylic foam tapes

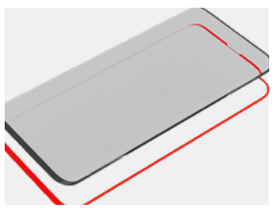
For applications with extreme requirements

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 possible due to the tape's viscoelasticity: elastic and viscous characteristics provide inner strength and relax 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.

Features



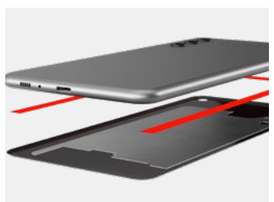
Typical applications



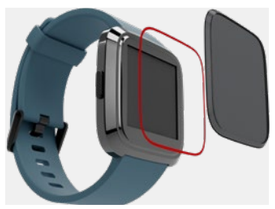
Cover glass frame mounting



Back cover mounting

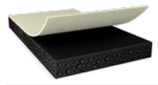
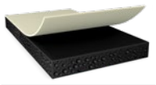
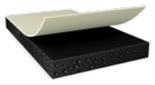
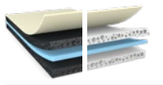


Display bottom mounting



Cover lens mounting

Assortment overview

		tesa® 7244x	tesa® 754xx/756xx	tesa® 610xx	tesa® 760xx**	tesa® 7588x	tesa® 757xx
Design							
Color		Black	Black	Black	Black	Black	Black, white
Adhesive		Modified acrylic	Modified acrylic	Tackified acrylic	Tackified acrylic (66% bio-based carbon content)	Acrylic	Modified acrylic
Backing		-	-	AC foam	-	-	PET
Special features		Outstanding impact resistance	Outstanding bonding	Easy activation, inner force resistance	Balanced performance, high bio content	Chemical resistance	Balanced performance
Thickness	50 µm		● 75405			● 75881	
	70 µm		● 75407				
	80 µm		● 75408				
	100 µm	● 72442	● 75410		● 76010	● 75882	● 75710
	125 µm		● 75412				
	150 µm	● 72443	● 75415 ● 75615		● 76015	● 75883	● 75715
	200 µm	● 72444	● 75620	● 61014	● 76020	● 75884	● 75720 ○ 75743
	250 µm	● 72445	● 75625	● 61015			● 75725 ○ 75745
	300 µm	● 72446	● 75630	● 61086			● 75730
	350 µm		● 75635	● 61017			
	400 µm		● 75640	● 61097			
	450 µm		● 75645				
	500 µm		● 75650				
Product performance*	Reference product	● 72444	● 75620	● 61086	● 76020	● 75884	● 75720
	Peel adhesion [N/cm; initial/ ultimate] SUS	13.0/15.0	15.5/17.0	15.5/17.5	11.0/12.0	8.0/10.0	14.0/15.0
	Push-out [N]	300	225	215	120	185	205
	DuPont [J; xy/z]	1.4/1.2	1.3/1.0	1.6/1.3	1.0/0.8	1.4/1.2	0.9/0.8
	Removability*	●●	●	●●	●●	●	●●●

* Assessment is done in relation to other products in this assortment
** For availability, please consult our sales representative.

○ White ● Black



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. In this section we present a selection of our PE foam solutions focusing on different series' specific performance features. If you require more information than what we have provided here, please contact your local representative.

Features



High bonding

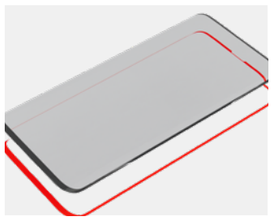


Impact resistance

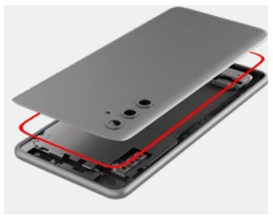


Water-proofing

Typical applications



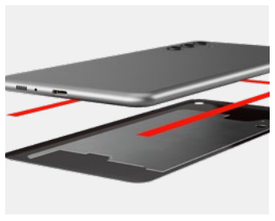
Cover glass frame mounting



Back cover mounting

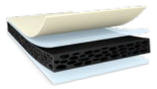
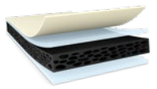
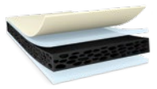
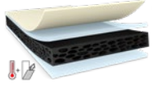
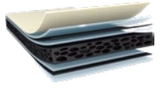


Camera lens mounting



Display bottom mounting

Assortment overview

		tesa® 6208x	tesa® 668xx	tesa® 626xx	tesa® 6218x	tesa® 66425
Design						
Color		Black	Black, white	Black	Black	Black
Adhesive		Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Backing		PE foam	PE foam	PE foam (partly with PET reinforcement)	PE foam	PE foam (with PET reinforcement)
Special features		Gap closing, shear resistance	Anti-repulsion, impact resistance	Bonding, conformability	Heat removable	Cuttable for rework
Thickness	**150 µm**	● 62082	● 66822			
	200 µm	● 62084	● 66824	● 62624		
	250 µm	● 62085	● 66825	● 62625 ● 62645		
	280 µm					● 66425
	300 µm	● 62086	● 66826	● 62626 ● 62646	● 62186	
	350 µm	● 62087				
	400 µm	● 62088	● 66828			
Reference product		● 62086	● 66826	● 62626	● 62186	● 66425
Product performance	**Peel adhesion [N/cm; initial/ ultimate]** **SUS**	11.5/13.5	12.5/14.5	13.0/16.0	Provided per request	Provided per request
	PC	11/14.5	12.5/16.0	15.0/16.0	Provided per request	Provided per request
	Push-out [N]	220	252	180	242	210
	DuPont [J; xy/z]	0.52/0.5	0.88/0.77	0.48/0.42	0.62/0.71	0.49/0.47
	Compression force at 25% [kPa]	365	515	200	365	320
	Rework-ability*	●●●	●●●	●	●●●●	●●●●
	Anti-repulsion*	●●●●	●●●	●	●	●●

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

● Black



Bond & Detach®

Stretch-release tapes for residue-free removability

Our Bond & Detach® solutions have revolutionized the removability of adhesives. This tape enables the permanent mounting of components with the option of removing them without residues. Bond & Detach® uses a unique adhesive technology for demanding bonding applications, that can be removed without leaving any residue by stretching it.

The patented technology was developed by tesa and offers the possibility of simple and secure debonding during the entire product life cycle – from production to end of life. It can also be used for temporary fixation during production processes or transportation. In addition, the whole assortment provides good impact resistance and bonding strength, even on LSE substrates.

Features

- Easy and residue-free debonding after applying
- Superior bonding performance
- Superior impact resistance
- LSE performance
- Superior tear resistance

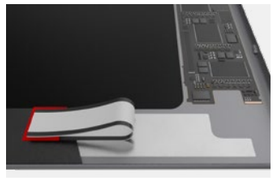
Typical applications



Battery mounting in mobile devices



Removable mounting of devices or accessories

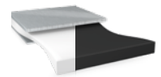


Temporary fixation of components



Mounting of valuable components

Assortment overview

		tesa® 704xx/ 703xx/706xx	tesa® 658xx	tesa® 648xx
Design				
Color		White, black	White	White
Adhesive		Specialty	Specialty	Specialty
Backing		-	Stretchable PU	Stretchable specialty
Special features		Balanced tear resistance, excellent bonding strength	Outstanding tear resistance, superior shock resistance, excellent bonding strength	Superior tear resistance, superior shock resistance, excellent bonding strength
Thickness	**80 µm**			
	100 µm	○ 70410 ● 70610		○ 64810*
	150 µm	○ 70415 ● 70615	○ 65885	○ 64815
	175 µm			
	200 µm	○ 70420 ● 70620		○ 64820
	250 µm	○ 70425 ● 70625		
	300 µm	○ 70430 ● 70630		
	350 µm	● 70635		
	400 µm	○ 70440 ● 70640		
	500 µm	○ 70350 ● 70650		
	650 µm	○ 70465 ● 70665		
	800 µm	○ 70480 ● 70680		
	1,000 µm	○ 70499 ● 70699		
	1,300 µm	● 70697		
Product performance	**Reference product**	○ 70415 ● 70615		○ 64815
	Peel adhesion [N/cm; initial/ ultimate] **SUS**	13.0/13.0		11.0/11.0
	Peel adhesion [N/cm; initial/ ultimate] **PE**	7.0/7.0		8.0/8.0
	DuPont [J; xy/z]	0.7/0.3		1.1/0.8
	Tumbler [cycles]	Upon request		500
	Removing force [N/cm]	4.0		4.0

* Deviating thickness

○ Transparent ○ Translucent ○ White ● Black

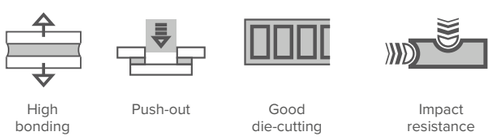


Double-sided film tapes

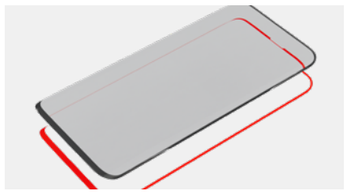
High performance profile

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. This assortment is therefore used for demanding applications like lens and battery mounting. The PET backings used are very well suited to being die-cut.

Features



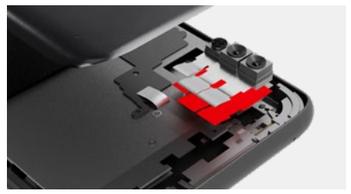
Typical applications



Cover glass frame mounting

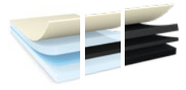
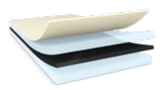


Battery mounting



Component mounting

Assortment overview

		tesa® 613xx	tesa® 618xx	tesa® 6887x**	tesa® 6896x
Design					
Color		Transparent, black	Black	Transparent	Transparent
Adhesive		Tackified acrylic	Modified acrylic	Bio-based acrylic (75% bio-based carbon content)	Specialty
Backing		PET	PET	PCR PET (100% PCR content)	PET
Special features		Push-out resistance, bonding strength	Push-out resistance, impact resistance, LSE performance	Push-out resistance, bonding strength	Quick bonding, LSE performance
Thickness	**30 µm**				○ 68960
	50 µm	○ 61305 ● 61350 ● 61358*		○ 68875	○ 68962
	100 µm	○ 61360 ● 61361* ● 61365	● 61865	○ 68877	○ 68964
	125 µm	● 61375			
	150 µm	○ 61380 ● 61385	● 61885	○ 68878	
	200 µm	○ 61390 ● 61395	● 61895	○ 68879	
	250 µm	● 61325	● 61825		
	300 µm	● 61315			
Product performance	**Reference product**	● 61365 ○ 61360	● 61865	○ 68877	○ 68964
	Peel adhesion [N/cm; initial/ ultimate] **SUS**	13.7/16.5	11.0/12.0	12.6/12.8	17.0/17.5
	Push-out [N]	230	240	317	255
	DuPont [J; xy/z]	0.5/0.2	0.7/0.3	Upon request	0.7/0.6

* Black color tackified acrylic adhesive for improved light blocking performance.
** For availability, please consult our sales representative.

○ Transparent ● Black



Double-sided film tapes

Specialized performance profile

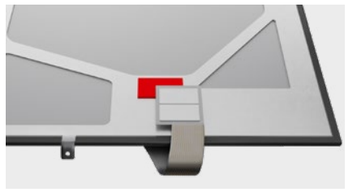
With this assortment, we created double-sided mounting tapes with unique adhesives focusing on the special requirements of certain applications in the electronics industry. Each series within this assortment focuses on a specific property needed in the market. In this section, you will find a selection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

This assortment features



Anti-repulsion | Si/Ac differential | LSE performance | Chemical resistance | Impact resistance | Temperature resistance

Typical applications



FPC mounting



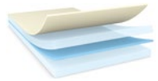
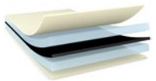
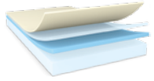
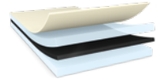
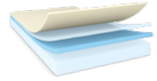
Rubber-foot mounting



Sensor mounting

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.

Assortment overview

			tesa® 6693x	tesa® 612xx	tesa® 615xx	tesa® 6881x	tesa® 885x	tesa® 4720/5720
	Design							
	Color		Transparent	Black	Transparent	Black	Translucent	Transparent
	Adhesive		Tackified acrylic	Specialty	Silicone/acrylic	Tackified acrylic	Tackified acrylic	Acrylic / tackified acrylic
	Backing		PET	PET	PET	PET	Non-woven	PET
	Special features		Anti-repulsion, easy activation	Chemical resistance	Si/Ac differential, LSE	LSE, high tack, impact resistance	Temperature resistance	Covered side is removable/reworkable
Thickness	**30 µm**		○ 66930				○ 8851	
	50 µm		○ 66932	● 61250	○ 61532	● 68812	○ 8853 ○ 8857	
	60 µm					● 68811		
	80 µm					● 68813		
	100 µm		○ 66934	● 61210	○ 61528	● 68814	○ 8854	○ 4720
	150 µm			● 61215				
	200 µm					● 68817		○ 5720
Product performance	**Reference product**		○ 66934	● 61210	○ 61528	● 68814	○ 8854	○ 4720
	Peel adhesion [N/cm; initial/ ultimate]	**SUS**	10.7/11.6	12.4/13.2	Si: 4.0/4.4 Ac: 11.3/12.6	13.5/14.0	8.3/9.5	Covered side: 4.0/5.7 Open side: 8.5/12.9
	Push-out [N]		143	260	Upon request	130	Upon request	Upon request
	DuPont [J; xy/z]		0.7/0.2	1.1/0.7	Upon request	0.9/0.5	Upon request	Upon request

○ Transparent ● Black ○ Translucent



Double-sided film tapes

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 enables easy handling of the tape during converting and manufacturing processes. With thicknesses from 5 µm to 250 µm, this assortment offers you a broad range and excellent flexibility.

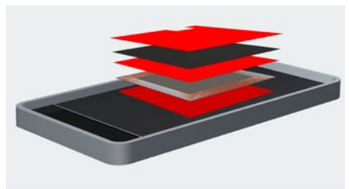
Features

- Balanced properties
- Easy die-cutting

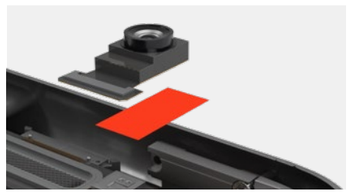
Typical applications



Battery mounting



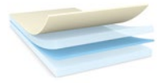
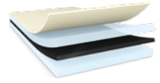
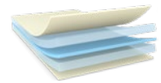
Graphite sheet lamination



Component mounting

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

Assortment overview

		tesa® 49xx	tesa® 519xx	tesa® 6854x
	Design			
	Color	Transparent	Black	Transparent
	Adhesive	Tackified acrylic	Tackified acrylic	Tackified acrylic
	Backing	PET	PET	PET
Thickness	5 µm			○ 68546
	10 µm			○ 68548
	20 µm			○ 68549
	30 µm	○ 4983	● 51983	
	50 µm	○ 4972	● 51972	
	80 µm	○ 4980	● 51980	
	100 µm	○ 4982	● 51982	
	125 µm	○ 4928		
	160 µm	○ 4967	● 51967	
	200 µm	○ 4965	● 51965	
Product performance	Reference product	○ 4982	● 51982	-
	Peel adhesion [N/cm; initial/ ultimate] SUS	11.0/11.7	11.0/11.7	-
	Push-out [N]	230	230	-
	DuPont [J; xy/z]	0.5/0.2	0.5/0.2	-

○ Transparent ● Black



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 tapes.

Features

Anti-repulsion

Light blocking

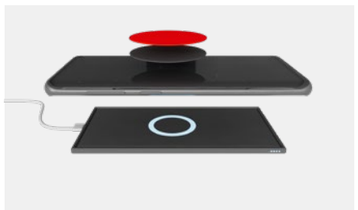
High bonding

Modern appearance

Typical applications



Light blocking in LCD backlight unit

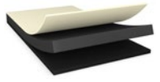
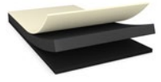
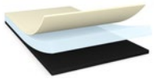
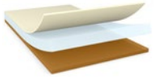


Covering



Insulation on PCB and FPC

Assortment overview

		tesa® 79xx	tesa® 71xx	tesa® 673xx	tesa® 663xx
	Design				
	Color	Matte black	Black	Matte black	Amber
	Adhesive	Black tackified acrylic	Black tackified acrylic	Tackified acrylic	Tackified acrylic
	Backing	Polyester	Polyester	PI	PI
	Special features	Modern design, anti-repulsion	Bonding strength, dielectric insulation	Heat resistance, dielectric insulation	Heat resistance, dielectric insulation
Thickness	**5 µm**	● 7905			
	10 µm	● 7910		● 67310	
	20 µm	● 7920		● 67320	● 66320
	30 µm	● 7930		● 67330 ● 67332	
	50 µm	● 7950	● 7250	● 67350	
	60 µm		● 7160		
	70 µm	● 7970			
	80 µm		● 7180		
	90 µm	● 7191			
	100 µm	● 7902	● 7100		
	200 µm	● 7998			
	230 µm	● 7923			
Product performance	**Reference product**	● 7950	● 7250	● 67350	● 66320
	Peel adhesion [N/cm; SUS initial ultimate]	4.0	4.2	3.5	2.0
	Light blocking [optical density]	5.7	>6	2.6	n.a.
	Insulation [kV, dielectric breakdown voltage]	5.5	5.0	3.6	3.6
	Anti-repulsion*	●●●●	Upon request	●●●●	●●●●

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

● Amber ● Matte / Natural black



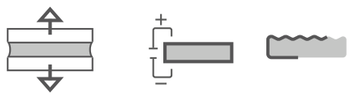
Double-sided electrically conductive tapes

For applications requiring grounding

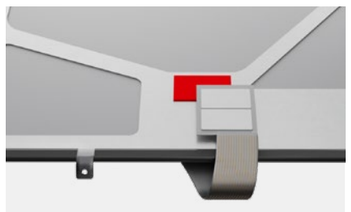
By offering a broad assortment of filled acrylic adhesive systems, with a balance between electrical conductivity and adhesive properties, we are able to provide the best solution for your requirements. Simply decide what is the most important for your application: bonding performance, conductivity,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

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 nonwoven backing provides faster wetting, excellent conformability, and very good die cuttability.

Features



Typical applications



FPC grounding

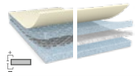
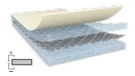
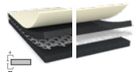
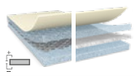
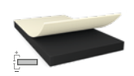
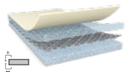


Component grounding



Component grounding

Assortment overview

		tesa® 6025x/6026x	tesa® 6036x	tesa® 6037x	tesa® 6038x	tesa® EC HAF 5845x	tesa® 60250
Design							
Color		Gray	Gray	Black	Gray	Black	Gray
Adhesive		Conductive acrylic	Conductive acrylic	Conductive acrylic	Conductive acrylic	Conductive structural adhesive	Conductive acrylic
Backing		Woven, non-woven	Woven	Woven, non-woven	Woven, non-woven	-	Woven
Special features		Balanced properties	High bonding strength, high conductivity	Outstanding conductivity	Outstanding bonding, repulsion resistance	Heat-activated structural bonding film, temperature and humidity resistance	High appearance quality
Thickness	**17 µm**	◍ 60267					
	25 µm	◍ 60261					
	30 µm			● 60371	◍ 60380	● 58451	◍ 60250
	35 µm	◍ 60260					
	50 µm	◍ 60262	◍ 60362	● 60372	◍ 60381 ◍ 60386	● 58452	
	55 µm	◍ 60252					
	70 µm	◍ 60253					
	100 µm	◍ 60254	◍ 60364	● 60374	◍ 60384 ◍ 60388		
	150 µm	◍ 60255					
	200 µm	◍ 60256		×			
	250 µm	◍ 60257					
Product performance	**Reference product**	◍ 60252 ◍ 60262	◍ 60362	● 60372	◍ 60381 ◍ 60386	● 58452	◍ 60250
	Peel adhesion [N/cm; SUS initial/ ultimate]	5.5/8.5	7.0/8.0	4.3/5.6	8.0/10.0	n.a.	>5
	Dynamic shear [MPa]	n.a.	n.a.	n.a.	n.a.	>7	n.a.
	Contact resistance [Ω/inch²]	0.05	0.01	0.01	0.06	0.05	0.05
	Surface resistance [Ω/sq]	0.2	0.1	0.1	0.3	0.5	0.2
	Shielding effectiveness [-dB]	>50	>50	>50	>50	~40	>40

● Black ◍ Gray

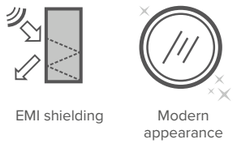


Single-sided electrically conductive tapes

For shielding and covering applications

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.

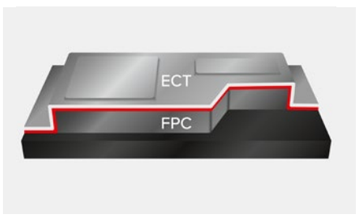
Features



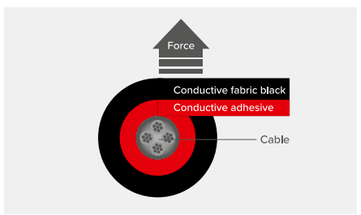
Typical applications



MLB covering

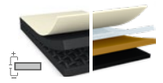
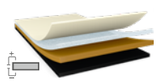
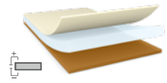


Component shielding



Wire wrapping

Assortment overview

		tesa® 6023x	tesa® 6033x	tesa® 6053x
	Design			
	Color	Matte black	Matte black	Orange
	Adhesive	Conductive acrylic	Conductive acrylic	Conductive acrylic
	Backing	Fabric, copper	Copper	Copper
	Special features	Modern, matte black design	Modern, matte black design with high shielding	Excellent bonding
Thickness	20 µm		● 60332	
	25 µm	● 60231		
	30 µm		● 60333	● 60537
	35 µm	● 60232		
	40 µm		● 60334	
	45 µm	● 60238		
	50 µm			● 60538
	55 µm	● 60234		
	Reference product	● 60232	● 60333	● 60537
Product performance	Peel adhesion [N/cm; SUS initial/ ultimate]	3.5/4.5	4.0	6.3/7.5
	Contact resistance [Ω/inch²]	0.05	0.05	0.05
	Surface resistance [Ω/sq]	0.2	0.1	0.2
	Shielding effective-ness [-dB]	>50	>60	>70

● Matte black ● Gray ● Orange

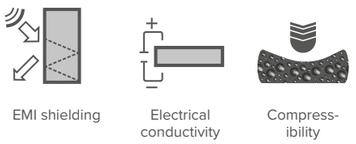


Single-sided electrically conductive foam tapes

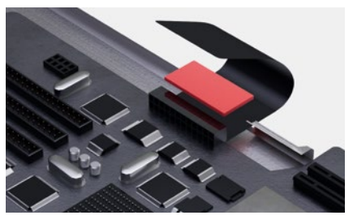
For conductive gap filling

Our single-sided electrically conductive foam tapes can be used for shielding, grounding, and filling gaps. They will provide either outstanding conformability and recovery properties or very high abrasion resistance, depending on the foam material chosen. All series in this assortment have very good shock-absorbing and cushioning properties.

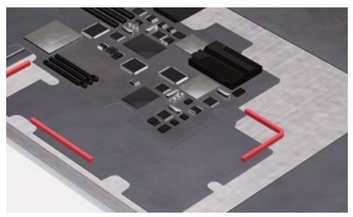
Features



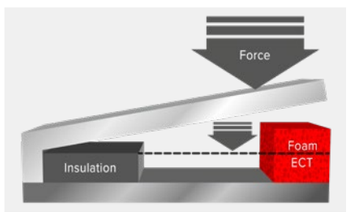
Typical applications



FPC grounding

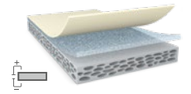


FPC Shielding



Component gap filling and grounding

Assortment overview

		tesa® 6021x
	Design	
	Color	Gray
	Adhesive	Conductive acrylic
	Backing	Soft foam
	Special features	Excellent electrical conductivity
Thickness	200 µm	● 60213
	300 µm	● 60214
	500 µm	● 60215
	700 µm	● 60210
	1,000 µm	● 60216
	1,500 µm	● 60217
	2,000 µm	● 60218
Product performance	Reference product	● 60215
	Peel adhesion [N/cm; SUS initial/ ultimate]	4.8/8.3
	Contact resistance [Ω/inch²]	0.03
	Surface resistance [Ω/sq]	0.2
	Shielding effective-ness [-dB]	>70
	Recovery rate after 24h [%]	90

● Gray



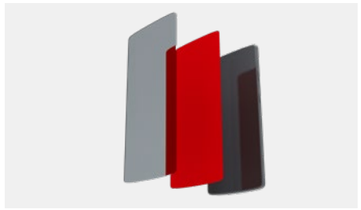
Display tapes

Optically clear adhesives with special features

Our OCA portfolio delivers high-performance solutions for advanced display applications, including AR/VR and foldable devices. All the materials are produced in cleanroom environments to meet optical clarity requirements, offering excellent environmental stability and reliable compatibility with complex display stacks.

New OCA solutions
tesa® OCA 6975x, our latest solution for foldable displays, offering excellent bending performance to minimize crease visibility and enable greater design freedom for thinner, more flexible devices.

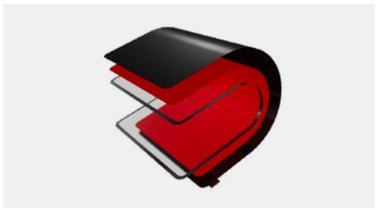
Typical applications



Cover lens lamination

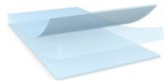
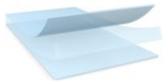
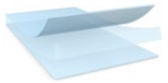


Lamination in VR/AR devices



Foldable devices

Assortment overview

		tesa® 699xx	tesa® 6975x	tesa® 6156x
Design				
Color		Transparent	Transparent	Transparent
Type		UV-curable	PSA	PSA
UV-curing dosage [mj/cm²]		1,000	-	-
Special features		Curved design lamination	Foldable lamination	Low dK, low WVTR
Thickness*	10 µm	○ 69900		
	25 µm	○ 69901	○ 69751	○ 61562
	35 µm		○ 69750	
	50 µm	○ 69902	○ 69752	○ 61563
	75 µm			
	100 µm	○ 69904		
	125 µm			
	150 µm	○ 69906		
	200 µm	○ 69908		
	Reference product	○ 69904	○ 69752	○ 61563**
Product performance	Glass	12	n.a.	5.0
	Peel adhesion [N/cm; ultimate] PET	10.6	5.6	3.3
	PC	12.6	n.a.	4.7
	Transmission [%]	>99	>99	>99
	Haze [%]	<0.5	<0.5	<0.5
	Refractive index	1.48	1.48	1.52
	Gap filling [%]	15	n.a.	<10
	Dielectric constant[1]	4.58	n.a.	2.56
	G' [kPa][2]	1,620	28	550
	WVTR[3] [g/m²*day]	n.a.	n.a.	0.9
	Lag time[4] [h]	n.a.	n.a.	25

* Further thicknesses might be available upon request.
** Deviating thickness.

○ Transparent

[1] 100 kHz
[2] 25°C, 1 Hz
[3] 38°C, 90% rel. humidity, 1 mm
[4] 60°C, 90% rel. humidity, 6.5 mm gap

About tesa SE

Facts and figures

Sector

tesa is a multinational company that has been developing adhesive tapes and self-adhesive product solutions for innovative, commercial customers, and end consumers for 130 years. tesa is an independent European stock corporation (SE) and a wholly owned subsidiary of Beiersdorf AG.

Business development

In 2025, tesa generated sales of 1.7 billion euros. At €270 million, EBIT excluding special factors was above the previous year's level. The EBIT margin excluding special factors was 16.1%. The Industry segment accounted for 78% of total sales, while the Consumer segment's share was 22%.

Global Executive Board

- Dr. Kourosh Bahrami, Chief Executive Officer
- Dr. Ingrid Sebald, Chief Technology Officer
- Dr. Jörg Diesfeld, Chief Financial Officer

Locations and employees

tesa employs more than 5,400 people worldwide, with approx. 2,800 of them in Germany, including 1,300 at company headquarters in Norderstedt alone. tesa products are distributed in over 100 countries worldwide. tesa has a total of 61 offices, 10 plants and production sites, of which six are large plants, and 9 Customer Solution Centers around the world.

Industry segment

tesa supplies more than 7,000 self-adhesive product and system solutions for industrial customers in various industries. Our core business areas are electronics, automotive, printing & packaging, as well as building, solar and wind energy, transportation and appliances. In the industrial distribution segment, tesa offers its products and solutions through the industrial trade and increasingly via online platforms. Customers are actively included in the further development of existing product ranges and in innovation processes. This is how long-term partnerships are built.



tesa plant Sparta, USA, since 1982



tesa plant Hamburg, Germany, since 1971



tesa plant Offenburg, Germany, since 1961



tesa plant Concagno, Italy, since 1990



tesa plant Haiphong, Vietnam, since 2023



tesa site Suzhou, China, since 2005

Consumer segment

tesa offers more than 300 products for the office, home, and garden, for affixing, mounting, packaging, renovating, repairing and insulating, as well as for protection from insects, dust, and drafts. In the craftspeople segment we focus on tailor-made product portfolios for professional craftspeople such as painters and finishers.

History



1896
world's first technical adhesive tape (the Cito-Sportheftpflaster)

1906
tesa® brand name is invented

1936
tesa® Klebefilm – subsequently known as tesafilm®

1941
tesa® becomes the umbrella brand for all the Group's self-adhesive products

2001
from corporate division to independence: The tesa division turns into tesa AG, a 100 percent affiliate of Beiersdorf AG



2016
headquarters of tesa SE are opened

2023
start of production in the new plant in Haiphong



2025
Debonding on Demand lab opening in Singapore

2026
130 years of technical adhesive tape & 90 years tesafilm®



Product and technology development

More than 600 chemists, engineers and product developers in Germany, China and the USA optimize existing solutions and develop approximately 100 new products each year, with many a patent applied for. tesa generates more than 26% of its sales with adhesive solutions that are less than five years old. The focus is on applications of the future, such as Debonding on Demand.

Sustainability

tesa sustainability goals
we do
reduce emissions
source responsibly
rethink materials
push circularity
support customers

At tesa, sustainability is not just a commitment – it's a transformative journey that is deeply embedded in our corporate DNA. Guided by five clear strategic action areas, tesa is investing 300 million euros by 2030 in research projects, know-how, sustainable materials and production acilities, with a clear focus on achieving climate-neutral production. This investment underlines our commitment to the United Nations targets and our participation in the Business Ambition for 1.5°C. Our comprehensive approach to sustainability and ambitious goals formulated up to 2030 cover the entire value chain: reduce emissions, source responsibly, rethink materials, push circularity and support customers.

tesa is registered with a gold status on EcoVadis in 2026, a collaborative platform for monitoring sustainability performance. This places tesa among the top two percent of all evaluated companies. Furthermore, in 2025, tesa has been awarded the highest possible rating of A by the nonprofit organization CDP for its achievements in climate protection performance and significant progress towards achieving its validated climate goals. This places the company in the top 2% of global companies that are leading the way in terms of climate targets, progress, and sustainability transparency.

Global presence



- 1 Company headquarter
- 5 regional headquarters
- 5 production centers
- 6 plants
- 11 Customer Solution Centers
- 59 offices

Your local contacts

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Seoul 06164 | Korea
+82-2-34300-100

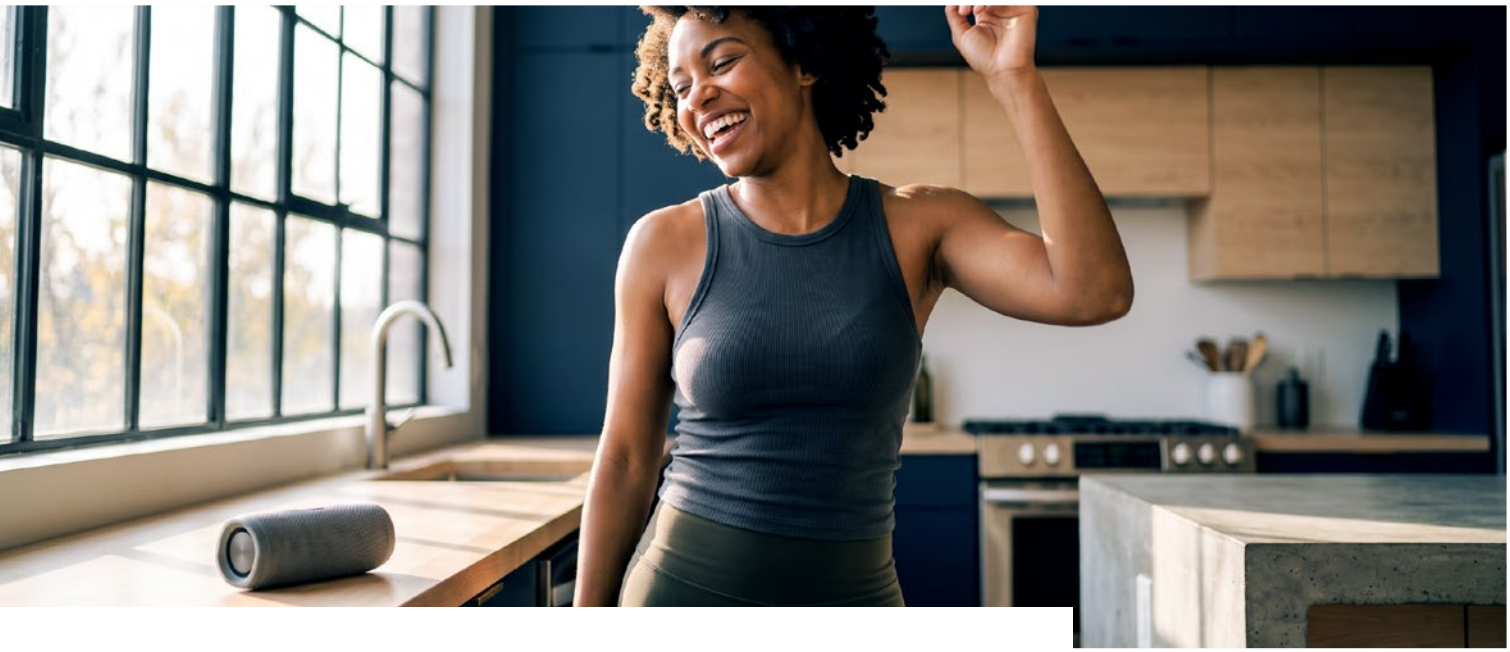
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