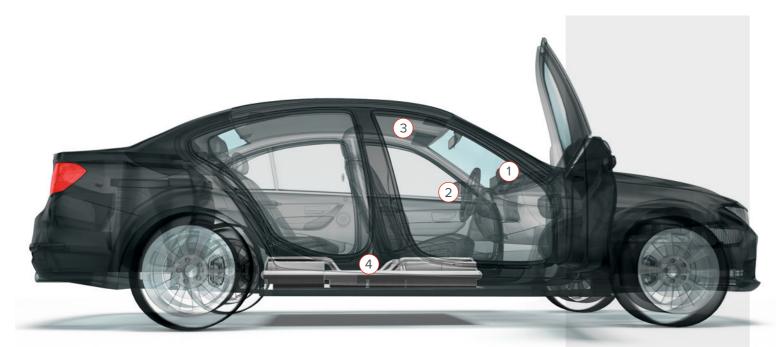


Supporting the Automotive Future

EXPERIENCED PARTNER IN ADHESIVE TECHNOLOGIES



Global Support for Future Cars

- Comfort and infotainment
- 2. Components for ADAS
- 3. Interior and exterior lighting
- 4. Batteries for e-mobility

As a leading global company for adhesive solutions, we combine our long-term experience in the automotive business with our broad know-how in electronics applications. We are a reliable partner for innovative adhesive solutions in automotive digitalization and environmentally friendly electrification.

Our tapes are specially made to fulfill demanding automotive requirements and serve an increasing number of important functions in addition to various mounting applications. As a certified company, we follow the TS 16949 and ISO 9001/14001 standards.

Our qualified experience comes with a deep understanding of applications, product values, and service. We run dedicated Application Solution Centers, in which we conduct critical tests for our tape solutions in your defined application. With our state-of-the-art equipment, we assure you that we follow all requested test methods to find the best possible solution.

Our worldwide presence, with sales offices and research and development facilities, ensures that we are close to our customers, to provide individual support and implement projects successfully.

Features and Benefits of Our Solutions

Adhesives

Tackified acrylic	Well-balanced adhesive systems for mounting and lamination with excellent aging resistance	Special adhesives for advanced mounting applicationsLow-VOC adhesives	
Pure acrylic	Excellent temperature and shear resistance Excellent UV resistance	Low corrosive ion contentOptically clear lamination tapes (optical bonding)	
Heat activated	Superior chemical and aging resistance	Reactive adhesive for structural bonding applications	
Special	Highly shock-resistant adhesivesWater vapor barrier adhesive	LSE adhesiveElectrically conductive adhesiveThermally conductive adhesive	

Backings/Carriers



2 About Us Technology Modules 3

CORE ASSORTMENT

Additional Products, Thicknesses, and Colors Available: Talk to Us!

		Standard filmi	ic mounting	Advanced filmic mounting	Advanced non-filmic mounting	Superior mounting	Ultimate bonding with HAF
	Product group description	Proven solution standard moul lamination apple Tackified an adhesive Transparer PET backing White PP be	nting and plications crylic nt and black	Solutions for special requirements Repulsion-resistant adhesive ²⁾ Differential and removable solutions ³⁾ 618xx series: high shock resistance	Solutions for special requirements High-temperature-resistant products ⁴⁾ Low-VOC versions with scrim backing ⁵⁾	Solutions with superior shock absorbance and dynamic stress resistance Excellent vibration resistance in critical environmental conditions Viscoelastic core to compensate extreme physical stress PET reinforcement ⁽⁵⁾	Solutions for extremely strong bonds Reactive adhesive Superior chemical resistance
	10	0 68548					
	20			a C0003 ²⁾			
	30 50	0 4972	51972	o 68903 ²⁾	o 68105 ⁴⁾ o 8853 ⁴⁾		
	60	0 1372	01372		0 00100		• 9410
	75				o 75007 ⁵⁾		
	80 90	0 4980	• 51980	o 68565 ³⁾			
	100 125	o 4982 o 4928	5198251928	• 66910 ²⁾ • 61865	0 88544)	● 75710 ⁶⁾	• 9402
E E	130 150			● 61885	o 75013 ⁵⁾	● 75715 ⁶⁾	
Thickness cluster [µm]	160	0 4967	51967	• 01000	0 4962	4 76716	
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SS	200 225	0 4965	• 51965	• 61895			• 9401
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ic	250	0 0 .000				• 61054	
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	540						
	600 700						
	800					● 7808	
	1,000						
	1,200	a L				● 7812	
mples					II.		
Application examples	Application exar	General molamination	ounting and	Bonding on curved surfaces Antenna mounting Applications with requirements on removability Component mounting	FPC SMT mounting application before reflow Conformable mounting	Demanding touch panel and display mounting applications with highest resistance to thermal and dynamic shock Mounting with ultra-slim die-cut design Mounting for waterproof designs	Structural bonding of parts exposed to high shock Camera lens and bezel mounting Mounting of decorative metal components

O-4:III I I I I	Links blanking	Functional Tapes	Can filling and auchinging	Construction and abiablish		
Optically clear lamination	Light blocking	Electrical insulation	Gap filling and cushioning	Grounding and shielding		
				Transition (1997) 200	Produ	
olutions for optically ear lamination Optically clear pure acrylic adhesives Excellent suppression of delay bubbles, even in harsh environments Special versions with barrier function ⁷⁾	Solutions for fixation, protection, and/or light blocking and mounting Acrylic adhesives (transparent or colored) PET backing (black or matte black printed)	Solutions for covering and insulation • s/s and d/s products with PI or PET backing • Excellent electrical insulation properties • Silicone adhesive with excellent temperature resistance®)	Solutions with conformable backings to compensate design tolerances Excellent sealing properties Special differential products ⁹⁾ PU foam backing with good stress absorption ¹⁰⁾	Solutions for grounding and shielding Excellent electrical conductivity in XYZ direction Versions with excellent shielding properties available Versatile aluminum tape for EMI shielding ¹¹⁾	Product group description	
					10 20	
69402 o 61563 ⁷⁾	● 68830 ● 7250 (s/s) ● 68832	• 67330 (s/s) • 67350 (s/s) • 61124 (s/s) ⁸⁾		● 60262 ● 60234 (s/s)	30 50 60	
				● 60253	75 80	
				● 50565 (s/s) ¹¹⁾	90	
69404	• 7100 (s/s)	o 58420 (s/s)		© 60254	100 125 130 150	
					160	
69607 69608			• 66720 ⁹⁾	⊚ 60256	175 200	
69510		● 61325			225 250	
		• 61315	● 66826		270 300	
					350	
			● 62904 ● 66740 ⁹⁾		400 450	
			● 62852	o 60215 (s/s)	500	
			● 4976¹0) ● 62906		540 600	
			● 02900		700	
			● 62854		800	
			62856	o 60216 (s/s)	1,000	
					Appl	
Lamination of two rigid substrates Bonding of rigid touch panels to cover lens Bonding of displays to cover lens or touch panels	Mounting of LCD panel and back- light unit Light blocking in displays PCB covering	Battery cell insulation Battery cell fixation	Mounting of uneven and curved surfaces Sealing applications Mounting of LCD panels and backlight unit with removable foam	FPC grounding PCB grounding EMI shielding	Application examples	

COMPLETE PACKAGE

Additional Products, Thicknesses, and Colors Available: Talk to Us!

		Tamperproof identification	Damping and fixation	Surface protection and masking	Wire harnessing
	lescription				
	Product group description	Labels for tamperproof identification Laser-engravable s/s multilayer backing Especially durable adhesive: not removable without destruction of the label Customized microscripting Brand protection technologies, e.g. tesa PrioSpot®	Solutions for noise prevention and cable fixation • s/s thick PET fleece tapes with excellent damping properties¹²¹ • s/s PE-UHMW backing¹³¹ • Repulsion-resistant and low-VOC adhesives	Solutions for temporary protection of high-grade surfaces • s/s flexible film • UV-resistant adhesive • High transparency • For polar and nonpolar substrates • Temporary masking during production ¹⁴⁾	Solutions for bundling and protecting wire harnesses Noise protection Radiant heat protection Abrasion protection Electrical insulation Marking of high-voltage cables ¹⁵⁾
	25				
	50 75			o 4848 o 50560 o 50550	
	100	● 6930● 6937	o 51207 ¹³⁾	0 30330	
-	110			o 4174 ¹⁴⁾	
m_	125 150				
ster	175				
Thickness cluster [μm]	200				
SS	250		• 60608PV1 ¹²⁾		© 68000 PV01
kne	260 280				● 51026 PV6 ● 51036 ¹⁵⁾ ● 51608
Ţ	500				0 0.000
	540		● ○ 50118PV1 ¹²⁾		
	600 700				
	800		• 60606PV1 ¹²⁾		• 51606
	900			_	
	Application examples				
	Application	Tamperproof encoding	Mounting on curved and bent substrates Secure cable mounting	Invisible and conformable surface protection on 3-D geometries Prevention of dust and damage on sensitive surfaces	Cable insulation/harnessing and protection against abrasion

● Black ● Yellow ● Orange ● Gray O White O Transparent or translucent

Customized application and on-site support



It is our business to support you and your products during the entire product development process on a daily basis. Our numerous sales offices, our research and development department, and our production facilities offer worldwide assistance. At the Application Solution Center, our technical experts evaluate your specific application needs under laboratory conditions. Our state-of-the-art equipment allows us to conduct the latest critical tests in order to help you find the best possible solution.

Efficiency through automation

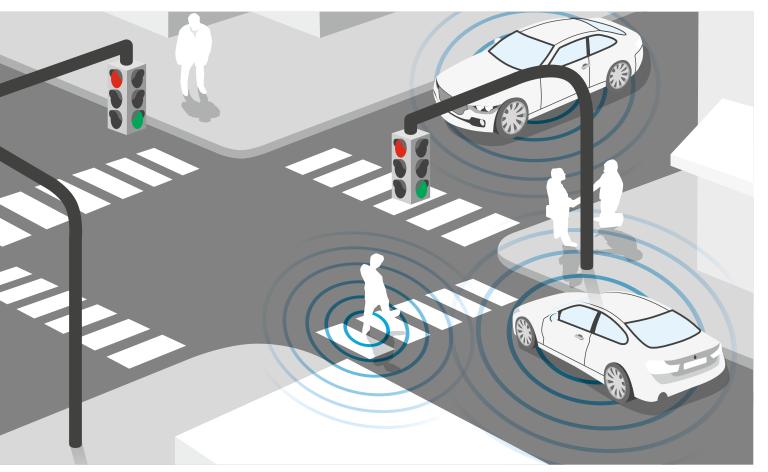


We are solution-oriented and strive to make your processes even better. Die-cuts are the perfect solution when you want to automate your application process. We offer a full range of dispensers for fast and convenient application. Our dispensers offer a high level of process stability and cost savings. We customize our applicators according to your specific needs to meet production process requirements.

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. The user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

6 Overview Support 7







Our management system is certified according to the standards ISO 9001, ISO/TS 16949, and ISO 14001. All our products delivered to automotive customers are listed in the International Material Data System (IMDS).

tesa SE

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