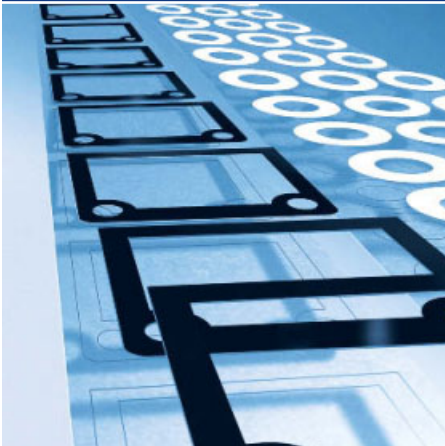
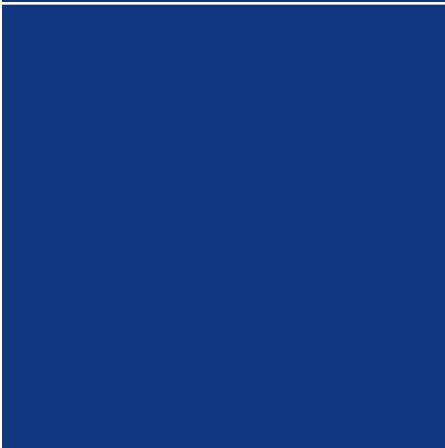
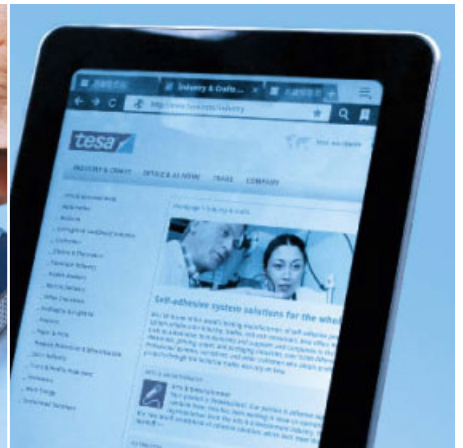


Solutions for the Electronics Industry

tesa® Electronics Assortment 2012

INDUSTRY FOLDER

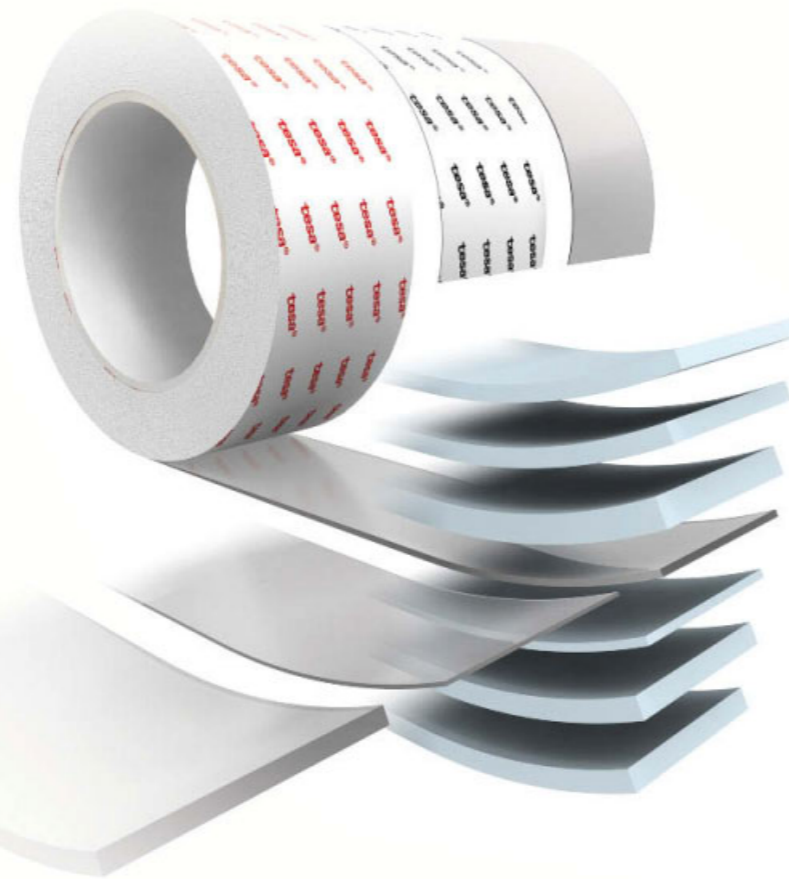


Solutions for the Electronics Industry

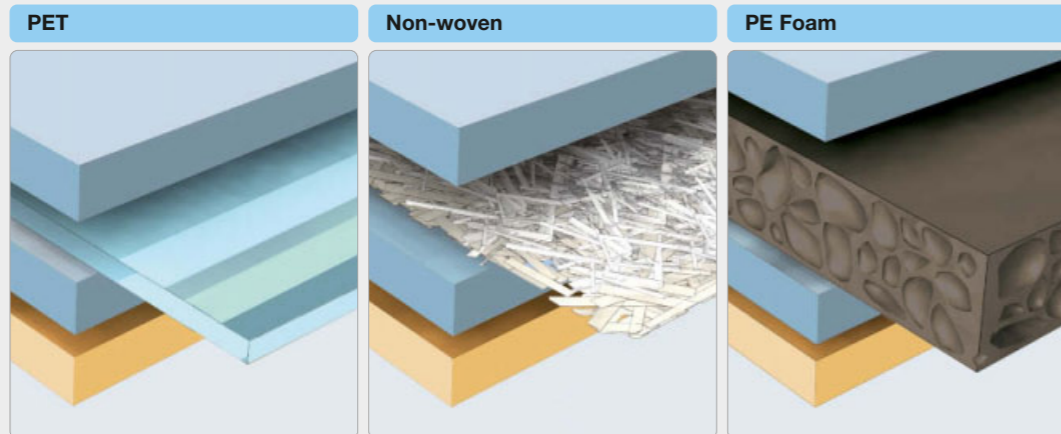
tesa is one of the leading global manufacturers of adhesive solutions for the electronics industry. Building on technologies and our dedicated people, we aim to help you improve processes and end products, where ever you are:

- Numerous sales offices, R&D and production facilities strategically positioned around the world.
- Extensive experience in the industry and profound knowledge of applications and the value chain.
- Assortment of tapes using different adhesives, liners and backings.
- Certified to international quality standards.
- Continuous investments in R&D and new production technology to meet your needs – both today and tomorrow.

This industry folder provides an overview of the tesa® electronics assortment. For more specific information on certain product types and applications, please contact us and request your personal copy of a tesa® product or application folder.



Backings/Carriers





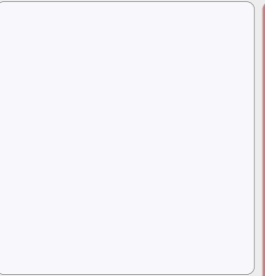

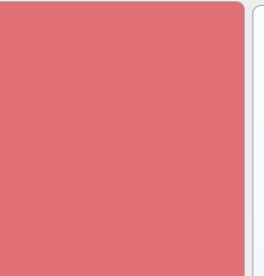
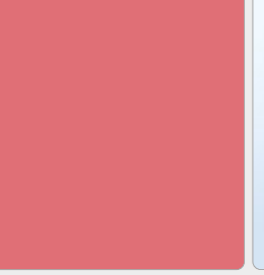
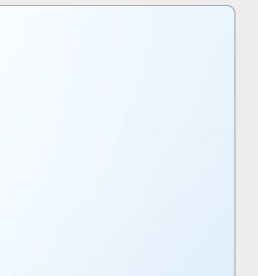
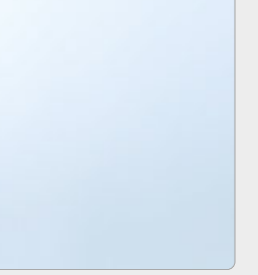
Features & Benefits

- | PET | Non-woven | PE Foam |
|---|---|---|
| <ul style="list-style-type: none"> ■ Excellent dimensional stability and tear resistance ■ Precise die-cutting ■ Available in various thicknesses from 2-50 µm ■ Available in transparent, white, black and solid black color | <ul style="list-style-type: none"> ■ Highly conformable and shock-absorbing ■ Good dimensional stability ■ Translucent | <ul style="list-style-type: none"> ■ Excellent filling of larger gaps ■ Very good sealing properties ■ High shock and tension absorption ■ Excellent leveraging of manufacturing tolerances ■ PET film reinforcement optional ■ Available in low thicknesses to meet electronics designs ■ Black color |

Adhesives

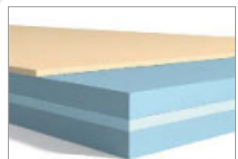
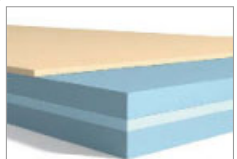




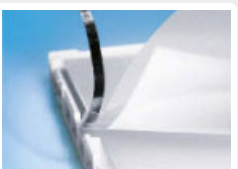




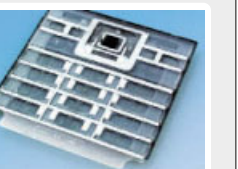

	Tackified Acrylic	Pure Acrylic	Heat Activated	Special
Features & Benefits	<ul style="list-style-type: none"> ■ Well-balanced adhesive systems for general mounting and lamination applications ■ Excellent aging resistance 	<ul style="list-style-type: none"> ■ High temperature resistance ■ Excellent shear resistance ■ High UV resistance ■ Very low VOC and corrosive ion content ■ Available versions: Standard and optically clear 	Heat activated adhesive systems for superior bonding strength Available versions: <ul style="list-style-type: none"> ■ Standard reactive adhesive: High humidity and aging resistance ■ Thermoplastic adhesive (non-curing): Low activation temperature ■ Special reactive adhesive: High shock resistance ■ ACF adhesive: Anisotropic conductive 	Available versions: <ul style="list-style-type: none"> ■ High shock and push-out resistant adhesives ■ Repulsion resistant adhesive ■ Water vapor barrier adhesive ■ Silicone surface adhesive ■ Removable adhesive

Liners

	Glassine paper	PE-coated paper	MOPP	PET
Features & Benefits	  <ul style="list-style-type: none"> ■ Paper liners with a thickness of 70 µm ■ Economical solution ■ Available in brown with blue tesa logo and in white with red tesa logo 	  <ul style="list-style-type: none"> ■ PE-coated paper liners with a thickness of 120 - 130 µm ■ Excellent humidity resistance ■ Available in white and white with tesa logo 	  <ul style="list-style-type: none"> ■ Filmic (PP) liner with a thickness of 80 µm ■ Dust-free convertability ■ Available in red (translucent) 	  <ul style="list-style-type: none"> ■ Filmic (PET) liners ■ Available in various thicknesses from 12-75 µm ■ Double liner versions on request ■ Available in transparent

PET tapes

Foam tapes

		Standard			Special						Foam tapes																						
		PET family	General mounting	Conformable	Differential	Easy handling	Lens-mounting	TSP mounting	Anti-repulsion	Removable	Silicone acrylic	PE foam																					
Product group description		Solutions for standard mounting and lamination applications		Solutions for increased adhesion level at constant thickness		Solutions for optimized bonding performance on different substrates		Solutions for improved handling of die-cuts		Solutions for high push-out performance and high peel adhesion		Solutions for improved shock and push-out performance		Solutions for improved repulsion resistance		Solutions for removable mounting		Solutions for reliable mounting on silicone surfaces		Solutions for improved shock resistance and gap filling													
		<ul style="list-style-type: none"> Tackified acrylic adhesive PET backing in transparent and black 		<ul style="list-style-type: none"> Tackified acrylic adhesive PET backing in transparent and black 		<ul style="list-style-type: none"> Tackified acrylic adhesive Ultra thin and conformable PET backing 		<ul style="list-style-type: none"> Tackified acrylic adhesive with different coating weight on either side of the tape PET backing 		<ul style="list-style-type: none"> Tackified acrylic adhesive Thick and stiff PET backing in transparent and black 		<ul style="list-style-type: none"> Superior push-out resistance High peel adhesion PET backing in transparent and black 		<ul style="list-style-type: none"> High push-out resistance High shock resistance PET backing in transparent and black 		<ul style="list-style-type: none"> Repulsion resistant adhesive PET backing in transparent and black 		<ul style="list-style-type: none"> Pure acrylic adhesive on removable side of the tape For d/s tapes tackified acrylic on permanent side PET backing in transparent and black 		<ul style="list-style-type: none"> Silicone surface adhesive on one side of the tape Tackified acrylic adhesive on the other side PET backing 		<ul style="list-style-type: none"> Tackified acrylic adhesive Black PE foam backing 62645, 62646, 62945, 62946 and 62948 with PET reinforcement 											
Thickness cluster [µm]	5			68556																													
	10			68557 / 68558																													
	20			68559																													
	30	4983 ¹⁾ / 51983 ¹⁾	68540 / 68740*	68550						68530	68560 / 68760*																						
	40																																
	50	4972 ¹⁾ / 51972 ²⁾	68542 / 68742*	68552	68582					68532 / 68732*	68562 / 68762*	61532																					
	60	68511									50576 (s/s)																						
	70																																
	80	4980 ¹⁾ / 51980 ¹⁾	68545 / 68745*		68585 / 68785*	68575				68535 / 68735*	68565 / 68765*																						
	90																																
	100	4982 ¹⁾ / 51982 ¹⁾	68547 / 68747*					61360 / 61365*	61760 / 61765*	68537 / 68737*	68567 / 68767* / 4720																						
	110																																
	120	4928 ¹⁾ / 51928 ¹⁾	68548 / 68748*					61370 / 61375*	61770 / 61775*																								
	130																																
	140	4942 / 51942*																															
	150						61320 / 61330*	61380 / 61385*	61780 / 61785*																								
	160	4967 ¹⁾ / 51967 ¹⁾																															
	170																																
	180																																
	190																																
200	4965 ¹⁾ / 51965 ¹⁾						4975 / 51975*	61390 / 61395*	61790 / 61795*												62924* / 62624*												
220																																	
250							4926 / 51926*														62625* / 62945* / 62645*												
300																					62946* / 62646*												
400																					62948*												
500																					62932 ³⁾												
700																																	
Application examples		<ul style="list-style-type: none"> Foam lamination Mounting of components, e.g. speaker or receiver modules 			<ul style="list-style-type: none"> General mounting and lamination 			<ul style="list-style-type: none"> Demanding mounting applications where an increased adhesion performance is necessary Demanding mounting applications with curved or uneven substrates 			<ul style="list-style-type: none"> Speaker mesh mounting Applications with removability requirements 			<ul style="list-style-type: none"> Narrow lens mounting die-cuts Manual application of long and narrow foam & tape laminates (no elongation!) 			<ul style="list-style-type: none"> Demanding lens mounting applications in mobile phones 			<ul style="list-style-type: none"> Demanding lens mounting and touch screen panel mounting 			<ul style="list-style-type: none"> Bonding on curved surfaces Mounting bent substrates Antenna mounting 			<ul style="list-style-type: none"> Removable mounting Sealing support for foam gaskets Temporary mounting prior to mechanical fixation 			<ul style="list-style-type: none"> Mounting on silicone or silicon-containing surfaces Mounting silicone key pads 			<ul style="list-style-type: none"> Touch panel / lens mounting in mobile phones Speaker module mounting Front panel mounting in notebooks Mounting on uneven surfaces 	

* Black version
Available in Q2 2012

 ¹⁾ UL file MH18055 ³⁾ UL file E309290
²⁾ UL file MH25809 ⁴⁾ UL file E203787

Detailed Information

For additional information, please refer to the following brochures:

Application Folder:

- tesa® Solutions for Mobile Phones
- tesa® Solutions for Digital Cameras
- tesa® Solutions for LCD Modules
- tesa® Solutions for Notebooks / Tablet PC
- tesa® Solutions for TVs



Product Folder:

- tesa® HAF Solutions for handheld devices in consumer electronics
- tesa® 50µm double-sided tape assortment
- tesa® Double-sided Adhesive Tapes: Extended Solutions



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