

ASSORTMENT OVERVIEW

Our Products for the Aerospace Industry

Application	Product	Benefit	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Temperature resistance [°C]	Color
Masking							
Straight line masking	tesa® 4334	<ul style="list-style-type: none"> Precise and flat paint edges Stick flush to surfaces to prevent paint tears High adhesion 	Flat paper	90	1.85	NA	Yellow
	tesa® 4104	<ul style="list-style-type: none"> Precise and flat paint edges Stick flush to surfaces to prevent paint tears 	PVC film	67	3.6	NA	Black, white, red, orange, yellow, blue, green
Window masking	tesa® 7133 ¹⁾	<ul style="list-style-type: none"> Flame retardant Protection against dirt and damage 	PP film	80	1.8	120	Blue
	tesa® 7140	<ul style="list-style-type: none"> Suitable for converting and die-cutting 	PVC film	168	4.0	170	Yellow
	tesa® 50530	<ul style="list-style-type: none"> Film and adhesive are environmentally friendly Preserves paint finish up to 9 mo. in outdoor storage UV resistant Can be applied directly after painting 	Polyolefinic film	80	1.0	NA	White
Curved, fine line masking	tesa® 4174	<ul style="list-style-type: none"> No shrinkage at high temperatures 	PVC film	110	3.7	150	Cream
	tesa® 4244	<ul style="list-style-type: none"> Suitable for rough surfaces Conforms to edges and curves 	PVC film	137	4.2	140	Yellow
Masking during medium to high drying temperatures	tesa® 4308 ²⁾	<ul style="list-style-type: none"> Sharp paint edges Ideal for lacquering work 	Slightly-creped paper	170	4.0	100	Blue
	tesa® 4317	<ul style="list-style-type: none"> Easy to remove 	Slightly-creped paper	140	3.3	80	Cream
	tesa® 4309	<ul style="list-style-type: none"> Good flexibility for curved edges Can be used on painted metal, rubber, glass and chrome parts 	Slightly-creped paper	170	3.5	120	Brown
	tesa® 4318	<ul style="list-style-type: none"> Suitable for solvent or water based paint systems, followed by oven drying 	Slightly-creped paper	170	4.0	160	Brown
Large area masking	tesa® 4368	<ul style="list-style-type: none"> 2-in-1 solution with masking and protective film For smooth and slightly textured surfaces 	Slightly-creped paper	140	3.4	NA	Transparent
	tesa® 4392	<ul style="list-style-type: none"> Tear resistant Clings very well to the surface due to the electrostatic charge 	PE film	16	6.9	115	Light blue
Window seal masking	tesa® 4308 ²⁾	<ul style="list-style-type: none"> Sharp paint edges Extremely flexible for curved lines Suitable for 2 component or water based paints 	Slightly-creped paper	170	4.0	100	Blue
	tesa® 4244	<ul style="list-style-type: none"> Suitable for rough surfaces Conforms to edges and curves 	PVC film	137	4.2	140	Yellow
General purpose masking	tesa® 4329	<ul style="list-style-type: none"> Suitable for oven drying up to 70°C Easy to use 	Slightly-creped paper	125	2.8	70	Cream
	tesa® 4323	<ul style="list-style-type: none"> Easy to handle Easy removal from the surface 	Slightly-creped paper	125	3.0	NA	Cream

¹⁾ Certified according to FAR 25.853(a), ²⁾ Qualified according to Boeing BAC5034-4

Application	Product	Benefit	Backing	Total thickness [μm]	Adhesion to steel [N/cm]	Temperature resistance [°C]	Color
Specialty masking							
Protection during sandblasting	tesa® 4434	<ul style="list-style-type: none"> • Designed for manual cutting • Thick and resistant paper backing • Protection against sandblasting and grinding 	Flat paper	670	2.7	60	Yellow
	tesa® 4432 ³⁾	<ul style="list-style-type: none"> • Suitable for stencil material in sandblasting • Ideal for glass, mirrors and stone surfaces • Strong and resistant paper backing 	Flat paper	330	8.0	100	Cream
Protection during powder coating	tesa® 4331	<ul style="list-style-type: none"> • High thermal resistance • Residue free removal 	PET/ non-woven	110	4.0	200	Cream
	tesa® 50600	<ul style="list-style-type: none"> • High temperature resistance • Removes in one piece without leaving residue • Also available with liner 	PET	80	4.0	220	Green
	tesa® 50650	<ul style="list-style-type: none"> • Sharp paint edges • Good comfortability 	PET	55	3.3	220	Blue
Anodizing	tesa® 61126	<ul style="list-style-type: none"> • High temperature resistance • Suitable during composite production 	PET	125	4.3	200	Red

Component manufacturing

Composite manufacturing	tesa® 4800 ¹⁾	<ul style="list-style-type: none"> • Suitable for die cuts • Abrasion resistance • Excellent resistance against chemicals and solvents 	PTFE coated glass cloth	175	5.5	260	Blue
Composite manufacturing i.e. honeycomb milling	tesa® 4964 ^{1 3)}	<ul style="list-style-type: none"> • Well suited for rough surfaces • Residue-free removability • High immediate adhesion 	Cloth	390	7.5	100	White
	tesa® 4432 ³⁾	<ul style="list-style-type: none"> • For masking applications during sandblasting • Strong and resistant paper backing 	Flat paper	330	8.0	100	Cream
	tesa® 4316 ³⁾	<ul style="list-style-type: none"> • Thin and flexible • Suitable for oven drying up to 100° C 	Slightly-creped paper	140	3.4	100	Cream

Protection

Anti-slip	tesa® 60950 ¹⁾	<ul style="list-style-type: none"> • Suitable for demanding surfaces • No shrinkage after application 	PVC film	810	5.8	50	Black/yellow, transparent, fluorescent, black
	tesa® 60951	<ul style="list-style-type: none"> • Suitable for demanding surfaces • No shrinkage after application • Able to be torn by hand 	PVC film	810	10.0	50	Black/yellow
	tesa® 60953	<ul style="list-style-type: none"> • Suitable for demanding surfaces • High Anti-slip effect of up to 1–2 years 	PVC film	850	10.0	50	Black/yellow, transparent, fluorescent
Impact surface protection	tesa® 50995	<ul style="list-style-type: none"> • Permanently protect surfaces • Protects against corrosion, shock, abrasion, scratches and heavy loads 	PU film	285	15.0	NA	Black/yellow, transparent, fluorescent
	tesa® 4438	<ul style="list-style-type: none"> • High durability and temperature resistance • Residue-free removal • UV resistance 	Slightly-creped paper	170	4.0	NA	Brown, pink, yellow, blue
	tesa® 50540	<ul style="list-style-type: none"> • Reliable protection for painted surfaces • Comprised of an air bubble film 	Polyolefinic film	4200	0.5	NA	Blue translucent

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Interior assembly							
Insulation protection	tesa® 50575	<ul style="list-style-type: none"> High thermal conductivity Resistant to strong acids and base solutions 	Aluminium foil	120	4.0	160	Silver
	tesa® 50525	<ul style="list-style-type: none"> Conformable High thermal conductivity 	Aluminium foil	60	5.0	160	Silver
Permanent mounting	tesa® 7094	<ul style="list-style-type: none"> Suitable for low surface energy substrates Processability in production environments with temperatures down to 0°C 	Foamed acrylic	1000	40.0	80	Deep black
Pre-mounting	tesa® 51960 ¹⁾	<ul style="list-style-type: none"> Residue-free removability Very high tack on many commonly used surfaces Resistant to ageing and plasticizers (no discoloration of PVC/CV floorings) 	PP film reinforced by fabric	248	4.7	60	Translucent
Mirror mounting	tesa® 4952	<ul style="list-style-type: none"> Shock absorption Compensates for design tolerances 	PE foam	1150	6.5	80	White
	tesa® 4957 ¹⁾	<ul style="list-style-type: none"> Residue-free removal High ageing resistance 	PE foam	1100	4.0	80	Black, white
	tesa® 70440	<ul style="list-style-type: none"> Superior push out and shock resistance Easy removability Very good adhesion 	none	400	23.0	90	White
Floor laying	tesa® 51960 ¹⁾	<ul style="list-style-type: none"> Residue-free removal Very high tack on many commonly used surfaces Resistant to ageing and plasticizers (no discoloration of PVC/CV floorings) 	PP film reinforced by fabric	248	4.7	60	Translucent
	tesa® 4964 ¹⁾³⁾	<ul style="list-style-type: none"> Well suited for rough surfaces Hand tearability High immediate adhesion 	Cloth	390	7.5	NA	White
Temporary surface protection	tesa® 4848	<ul style="list-style-type: none"> Residue-free removal within four weeks of application Resistant against chemicals, physical stress and moisture 	PE film	48	NA	NA	Translucent
	tesa® 7133 ³⁾	<ul style="list-style-type: none"> Flame retardant Protection against dirt and damage 	PP film	80	1.8	120	Blue
	tesa® 51132	<ul style="list-style-type: none"> Good adhesion PP, ABS and textile surfaces Easy disposal/environmentally friendly 	PE film	85	2.8	NA	Translucent
	tesa® 51136	<ul style="list-style-type: none"> Interior protection smooth or rougher surfaces Residue-free removability 	PE film	105	2.4	100	Green
	tesa® 51134	<ul style="list-style-type: none"> For masking large areas of plastic parts Interior protection 	PE film	84	2.4	90	Transparent
Avionics							
LCD and backlight mounting	tesa® 7100 ⁴⁾	<ul style="list-style-type: none"> Excellent light blocking performance Excellent peel strength and shear resistance Very high electrical resistance 	PET film	100	7.5	100	Black
	tesa® 62906	<ul style="list-style-type: none"> Compensates for design tolerances or uneven surfaces Excellent temperature resistance performance 	PE foam	600	18.0	100	Black
Touch panel mounting	tesa® 61055	<ul style="list-style-type: none"> Very high shock performance High thermal and cold shock resistance Light blocking 	Acrylic	300	12.5	90	Black
	tesa® 7808	<ul style="list-style-type: none"> Excellent cold shock performance High humidity and UV resistance Compensate for different thermal elongation of bonded parts 	Foamed acrylic	800	26.0	NA	Deep black
Cover lens bonding	tesa® 69608	<ul style="list-style-type: none"> Gap filling performance Excellent temperature, humidity and UV resistance Excellent ITO stability (acid free) 	none	200	NA	NA	Transparent

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Component labeling

Signage	tesa® 4965 ^{1 5)}	<ul style="list-style-type: none"> • Immediate usability right after assembly • Suitable for the most demanding applications • Suitable for heavy stress, high temperature, or critical substrates 	PET film	205	11.5	100	Transparent
Marking and identification	tesa® 6930	<ul style="list-style-type: none"> • Heat, abrasion and chemical resistant • High contrast and excellent marking precision 	Acrylic	NA	NA	120	Black, white, silver
	tesa® 6937	<ul style="list-style-type: none"> • Tamper evident identification label • Not removable without destruction of the label 	Acrylic	NA	NA	120	Black/white

Interior lighting and electrical insulation

Flexible printed circuit	tesa® 8853	<ul style="list-style-type: none"> • High conformability for uneven surfaces • High ageing resistance 	Ultra thin non-woven	50	5.3	NA	Translucent
	tesa® 8854	<ul style="list-style-type: none"> • Good adhesion values on polar substrates • Good temperature resistance performance 	Non-woven	100	8.1	NA	Translucent
Interior lighting	tesa® 4965 ^{1 5)}	<ul style="list-style-type: none"> • Immediate usability right after assembly • Suitable for heavy stress, high temperature, or critical substrates 	PET film	205	11.5	100	Transparent
	tesa® 4972	<ul style="list-style-type: none"> • Resistance to demanding environmental conditions • Excellent performance in converting processes 	PET film	48	7.0	100	Transparent

Other applications

Sealed area masking	tesa® 4308 ²⁾	<ul style="list-style-type: none"> • Sharp and clean paint edges • Easy removal after drying 	Slightly-creped paper	170	4.0	100	Blue
	tesa® 51901	<ul style="list-style-type: none"> • High tack properties for an excellent first contact 	PET	80	2.5	NA	Transparent
Cargo securing	tesa® 4124	<ul style="list-style-type: none"> • Excellent performance on all kind of cardboards • Used for manual or automatic processes 	PVC film	65	3.2	NA	Brown
Floor marking	tesa® 4169	<ul style="list-style-type: none"> • Excellent for permanent and heavy-duty marking • Suitable for indoor and outdoor applications • Resistant to high mechanical stress 	Soft PVC	180	1.8	NA	Black, green, white, blue, red, yellow, yellow/black
	tesa® 60760 ³⁾	<ul style="list-style-type: none"> • Good adhesion on many different surfaces • Able to be torn by hand • For temporary marking and low duty hazard warnings 	Soft PVC	150	2.0	NA	Yellow, red, white, blue, green, black/yellow red/white safety stripe
Anti corrosion	tesa® 4600 ⁴⁾	<ul style="list-style-type: none"> • Allows a water tight, permanent sealing • Suitable wet, warm, dirty or oily surfaces 	NA	500	NA	260	Black
Cable fixation	tesa® 50118 PV1	<ul style="list-style-type: none"> • Suitable for irregular, rough, and critical surfaces • Excellent damping properties 	PET fleece	570	NA	NA	White
	tesa® 4173 PV2 ³⁾	<ul style="list-style-type: none"> • Temperature resistance • Flexible and able to be torn by hand 	PVC film	126	1.8	105	Black
Wire harnessing	tesa® 51036 PV9	<ul style="list-style-type: none"> • High temperature resistance • High abrasion resistance 	PET cloth	260	5.0	150	Black, orange

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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 mentioned above 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.