

ASSORTMENT OVERVIEW

Exterior Tape Solutions for the Aerospace Industry

Application	Product	Benefit	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Temperature resistance [°C]	Weight [g/m ²]	Color
General 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 	Flat paper	90	1.8	NA	95	●
	tesa® 4104	<ul style="list-style-type: none"> Precise and flat paint edges Stick flush to surfaces to prevent paint tears High adhesion 	PVC film	67	3.6	NA	80	●●●●●
Window masking	tesa® 7133 ¹⁾	<ul style="list-style-type: none"> Flame retardant Protection against dirt and damage 	PP film	80	1.8	120	NA	●
	tesa® 7140	<ul style="list-style-type: none"> Suitable for converting and die-cutting 	PVC film	168	4.0	170	NA	●
	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	NA	○
Curved, fine line masking	tesa® 4174	<ul style="list-style-type: none"> No shrinkage at high temperatures Very flexible 	PVC film	110	3.7	150	NA	●
	tesa® 4244	<ul style="list-style-type: none"> Suitable for rough surfaces Conforms to edges and curves 	PVC film	137	4.2	140	NA	●
Masking during medium to high drying temperatures	tesa® 4308 ^{2) 6)}	<ul style="list-style-type: none"> Sharp paint edges Ideal for lacquering work 	Slightly-creped paper	170	4.0	100	NA	●
	tesa® 4316 ³⁾	<ul style="list-style-type: none"> Suitable for all general masking applications Can be used during a drying process 	Slightly-creped paper	140	3.4	100	NA	●
	tesa® 4317 ³⁾	<ul style="list-style-type: none"> Easy to remove Suitable for oven drying applications 	Slightly-creped paper	140	3.3	80	NA	●
	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	NA	●
	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	NA	●
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	14	○
	tesa® 4388	<ul style="list-style-type: none"> 3-in-1 solution with masking, protective film and paper border Extremely stretchable and flexible while perfect paint absorption due to additional paper edge 	Slightly-creped paper	140	3.4	NA	37	●
	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	37	●
Window seal masking	tesa® 4308 ^{2) 6)}	<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	NA	●
	tesa® 4244	<ul style="list-style-type: none"> Suitable for rough surfaces Conforms to edges and curves 	PVC film	137	4.2	140	NA	●
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	NA	●
	tesa® 4323	<ul style="list-style-type: none"> Easy to handle Easy removal from the surface 	Slightly-creped paper	125	3.0	NA	NA	●

¹⁾ Certified acc. to FAR 25.853(a) app. F part1, (a) (1) ii ²⁾ Qualified acc. to Boeing BAC5034-4 ³⁾ Qualified acc. to Airbus AIP1 03-02-018 ⁶⁾ Qualified acc. to Airbus AIP1 06-02-007

Application	Product	Benefit	Backing	Total thickness [μm]	Adhesion to steel [N/cm]	Temperature resistance [°C]	Weight [g/m ²]	Color
Specialty masking								
Protection during sandblasting	tesa® 4434 ⁵⁾	<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	545	●
	tesa® 4432 ^{2) 6)}	<ul style="list-style-type: none"> Suitable for stencil material in sandblasting Strong and resistant paper backing 	Flat paper	330	8.0	100	286	●
	tesa® 4651	<ul style="list-style-type: none"> Supports MRO sandblasting processes High adhesion on rough surfaces Conformable due to cloth backing 	Cloth	310	3.3	130	320	●●●●●
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	112	●
	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	100	●
	tesa® 50650	<ul style="list-style-type: none"> Sharp paint edges Good comfortability 	PET	55	3.3	220	65	●
Anodizing	tesa® 61126 ⁹⁾	<ul style="list-style-type: none"> High temperature resistance Suitable during composite production 	PET	125	4.3	200	140	●
Component manufacturing								
Composite manufacturing	tesa® 4800 ¹⁾	<ul style="list-style-type: none"> Non-stick PTFE release surface for easy de-moulding in composite industry Excellent chemical and solvent as well as abrasion resistance 	PTFE coated glass cloth	175	5.5	260	NA	●
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	376	○
	tesa® 4661 PV15	<ul style="list-style-type: none"> Very high tensile strength cloth tape Abrasion-resistant Also suitable on rough surfaces 	Acrylic-coated cloth	300	5.8	140	315	●●●●●
	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	NA	●
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	NA	●●●
	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	NA	●
	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	NA	●○
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	NA	●○
	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	NA	●●●●●
	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	NA	●
Other applications								
Sealed area masking	tesa® 4308 ^{2) 6)}	<ul style="list-style-type: none"> Sharp and clean paint edges Easy removal after drying 	Slightly-creped paper	170	4.0	100	NA	●
	tesa® 51901	<ul style="list-style-type: none"> High tack properties for an excellent first contact 	PET	80	2.5	NA	240	○
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	75	●
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	240	●●●●●
	tesa® 60760 ¹⁾	<ul style="list-style-type: none"> Flame retardant tape with 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	194	●●●●●

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Interior Tape Solutions for the Aerospace Industry

Application	Product	Benefit	Backing	Total thickness [μm]	Adhesion to steel [N/cm]	Temperature resistance [°C]	Weight [g/m ²]	Color
Interior assembly								
Insulation protection	tesa® 50575	<ul style="list-style-type: none"> High thermal conductivity Resistant to strong acids and base solutions 	Aluminum foil	120	4.0	160	255	●
	tesa® 50565 ¹⁾	<ul style="list-style-type: none"> Flame retardant acc. UL510 Oil, acid Moisture and mechanical resistant 	Aluminum foil	90	6	160	170	●
	tesa® 50525	<ul style="list-style-type: none"> Conformable High thermal conductivity 	Aluminum foil	60	5.0	160	105	●
Permanent mounting	tesa® 7094 ¹⁾	<ul style="list-style-type: none"> Suitable for low surface energy substrates and in low temperature production processes Flame retardant acc. FAR25.853(a) 	Foamed acrylic	1000	40.0	80	NA	●
Pre-mounting	tesa® 51960 ¹⁾	<ul style="list-style-type: none"> Residue-free removability Very high tack on many commonly used surfaces Flame retardant acc. FAR25.853(a) 	PP film reinforced by fabric	248	4.7	60	216	○
Mirror mounting	tesa® 4952 ¹⁾	<ul style="list-style-type: none"> Shock absorption Compensates for design tolerances 	PE foam	1150	6.5	80	216	○
	tesa® 4957 ¹⁾	<ul style="list-style-type: none"> Residue-free removal High ageing resistance Flame retardant acc. FAR25.853(a) 	PE foam	1100	4.0	80	251	●○
	tesa® 70440	<ul style="list-style-type: none"> Superior push out and shock resistance Easy removability Very good adhesion 	none	400	23.0	90	696	○
Floor laying	tesa® 51960 ¹⁾	<ul style="list-style-type: none"> Residue-free removal Flame retardant floor laying tape Resistant to ageing and plasticizers (no discoloration of PVC/CV floorings) 	PP film reinforced by fabric	248	4.7	60	216	○
	tesa® 4964 ^{1) 3)}	<ul style="list-style-type: none"> Well suited for rough surfaces with high initial adhesion Hand tearability Flame retardant acc. FAR25.853(a) 	Cloth	390	7.5	NA	376	○
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	NA	○
	tesa® 7133 ³⁾	<ul style="list-style-type: none"> Flame retardant Protection against dirt and damage 	PP film	80	1.8	120	NA	●
	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	NA	○
	tesa® 51136	<ul style="list-style-type: none"> Interior protection smooth or rougher surfaces Residue-free removability 	PE film	105	2.4	100	NA	●
	tesa® 51134	<ul style="list-style-type: none"> For masking large areas of plastic parts Interior protection 	PE film	84	2.4	90	NA	○
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 acc. UL510 	PET film	100	7.5	100	127	●
	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	NA	●
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	NA	●
	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	640	●
Cover lens bonding	tesa® 69608 ¹⁾	<ul style="list-style-type: none"> Gap filling performance Excellent temperature, humidity and UV resistance Excellent ITO stability (acid free) 	none	200	NA	NA	NA	○

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Application	Product	Benefit	Backing	Total thickness [μm]	Adhesion to steel [N/cm]	Temperature resistance [°C]	Weight [g/m ²]	Color
Component labeling								
Signage	tesa® 4965 ^{1) 5)}	<ul style="list-style-type: none"> • Immediate usability right after assembly • Flame retardant acc. FAR25.853 (a) • Suitable for heavy stress, high temperature, or critical substrates 	PET film	205	11.5	100	217	○
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	135	● ○ ●
	tesa® 6937	<ul style="list-style-type: none"> • Tamper evident identification label • Not removable without destruction of the label 	Acrylic	NA	NA	120	210	●
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	56	○
	tesa® 8854	<ul style="list-style-type: none"> • Good adhesion values on polar substrates • Good temperature resistance performance 	Non-woven	100	8.1	NA	111	○
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 • Flame retardant acc. FAR25.853(a) 	PET film	205	11.5	100	217	○
	tesa® 4972	<ul style="list-style-type: none"> • Resistance to demanding environmental conditions • Excellent performance in converting processes 	PET film	48	7.0	100	57	○
Other applications								
Anti corrosion	tesa® 4600 ⁴⁾	<ul style="list-style-type: none"> • Allows a water tight, permanent sealing • Wrap hydraulic fittings and other exposed metal connections 	NA	500	NA	260	NA	●
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	NA	○
Wire harnessing	tesa® 51036 PV9	<ul style="list-style-type: none"> • High temperature resistance • High abrasion resistance 	PET cloth	260	5.0	150	NA	● ●
	tesa® 4173 PV2	<ul style="list-style-type: none"> • Temperature resistance and flame retardant • Flexible and able to be torn by hand 	PVC film	126	1.8	105	NA	●
Temporary repairing	tesa® 4541 ^{1) 7)}	<ul style="list-style-type: none"> • Temporary repairing damaged interior materials, e.g. fire curtains 	Uncoated cloth	270	3.6	130	170	● ○ ● ● ●

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