

tesa® 51571

Double-sided non-woven tape

tesa® 51571 is a double-sided tape with a non-woven backing. It is used for permanent mounting of metal and plastic materials, e.g. aluminium, polystyrene, polypropylene, ABS. The very thick layer of adhesive bonds extremely well on uneven surfaces and has a very high initial bond.

Main Application

tesa® 51571 is used for applications like
Mounting of evaporator plates in the production of refrigerators

Technical Data

▪ Backing material	non-woven	▪ Tensile strength	5 N/cm
▪ Color	translucent	▪ Type of liner	2.9 lbs/in
▪ Total thickness	160 µm	▪ Color of liner	glassine
	6.3 mils	▪ Thickness of liner	brown
▪ Type of adhesive	synthetic rubber		70 µm
▪ Elongation at break	2.5 %	▪ Weight of liner	2.8 mils
			78 g/m²

Adhesion to

▪ Steel (initial)	12.0 N/cm	▪ PS (initial)	12.4 N/cm
	109.6 oz/in		113.3 oz/in
▪ ABS (initial)	11.8 N/cm	▪ PVC (initial)	12.0 N/cm
	107.8 oz/in		109.6 oz/in
▪ Aluminium (initial)	13.0 N/cm	▪ Steel (after 14 days)	13.0 N/cm
	118.8 oz/in		118.8 oz/in
▪ PC (initial)	13.4 N/cm	▪ PE (after 14 days)	8.5 N/cm
	122.4 oz/in		77.7 oz/in
▪ PE (initial)	8.0 N/cm	▪ PP (after 14 days)	9.0 N/cm
	73.1 oz/in		82.2 oz/in
▪ PET (initial)	10.6 N/cm	▪ PVC (after 14 days)	13.0 N/cm
	96.8 oz/in		118.8 oz/in
▪ PP (initial)	9.0 N/cm		
	82.2 oz/in		

For latest information on this product please visit <http://l.tesa.com/?ip=51571>

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Properties

▪ Temperature resistance short term	80 °C 176 °F	▪ Static shear resistance at 104 °F	● ● ● ●
▪ Temperature resistance long term	40 °C 104 °F	▪ Static shear resistance at 158 °F	● ● ●
▪ Tack	● ● ●	▪ Fogging	● ● ● ●
▪ Ageing resistance (UV)	● ●		
▪ Humidity resistance	● ● ●		
▪ Static shear resistance at 73,4 °F	● ● ● ●		

Evaluation across relevant tesa® assortment: ● ● ● ● very good ● ● ● good ● ● medium ● low

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