

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	9 N/cm
▪ Color	translucent	▪ Type of liner	glassine
▪ Total thickness	160 µm	▪ Colour of liner	brown
▪ Type of adhesive	synthetic rubber	▪ Thickness of liner	70 µm
▪ Elongation at break	2 %	▪ Weight of liner	78 g/m ²

Adhesion to

▪ Steel (initial)	12.5 N/cm	▪ PP (initial)	9.0 N/cm
▪ Steel (covered side, initial)	12.5 N/cm	▪ PS (initial)	12.4 N/cm
▪ ABS (initial)	11.8 N/cm	▪ PVC (initial)	12.0 N/cm
▪ Aluminium (initial)	13.0 N/cm	▪ Steel (after 14 days)	13.0 N/cm
▪ PC (initial)	13.4 N/cm	▪ PE (after 14 days)	8.5 N/cm
▪ PE (initial)	8.0 N/cm	▪ PP (after 14 days)	9.0 N/cm
▪ PET (initial)	10.6 N/cm	▪ PVC (after 14 days)	13.0 N/cm

Properties

▪ Temperature resistance short term	80 °C	▪ Static shear resistance at 23°C	●●●●
▪ Temperature resistance long term	40 °C	▪ Static shear resistance at 40°C	●●●●
▪ Tack	●●●●	▪ Static shear resistance at 70°C	●●●●
▪ Ageing resistance (UV)	●●	▪ Fogging	●●●●
▪ Humidity resistance	●●●●		

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

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

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