

tesa® 51570

Double-sided non-woven tape

tesa® 51570 is a double-sided tape with a non-woven backing. It is used for permanent mounting of metal and plastic materials, e.g. aluminum, polystyrene, polypropylene, ABS. The thick layer of adhesive bonds well on uneven surfaces and has a very high initial bond.

Main Application

General purpose mounting

Technical Data

▪ Backing material	non-woven	▪ Type of adhesive	synthetic rubber
▪ Total thickness	110 µm 4.3 mils		

Adhesion to

▪ Steel (initial)	12.0 N/cm 109.6 oz/in	▪ Steel (after 14 days)	13.0 N/cm 118.8 oz/in
▪ PE (initial)	5.5 N/cm 50.2 oz/in	▪ PE (after 14 days)	7.0 N/cm 64 oz/in
▪ PP (initial)	7.0 N/cm 64 oz/in	▪ PP (after 14 days)	12.0 N/cm 109.6 oz/in
▪ PS (initial)	8.0 N/cm 73.1 oz/in	▪ PVC (after 14 days)	12.5 N/cm 114.2 oz/in
▪ PVC (initial)	9.0 N/cm 82.2 oz/in		

Properties

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

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

Additional Information

It is not recommended to apply tesa® 51570 where a temperature load of over 60° C prevails for a longer period.

For latest information on this product please visit <http://l.tesa.com/?ip=51570>

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