



tesa[®] 51571

Product Information



Double-sided non-woven tape

Product Description

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.

Product Features

- The very thick layer of adhesive bonds extremely well on uneven surfaces and has a very high initial bond.

Application Fields

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

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

• Backing	non-woven	• Color	translucent
• Type of adhesive	synthetic rubber	• Color of liner	brown
• Type of liner	glassine	• Thickness of liner	70 µm
• Total thickness	160 µm 6.3 mils	• Weight of liner	2.8 mils 78 g/m ²

Properties/Performance Values

• Elongation at break	2 %	• Static shear resistance at 40°C	very good
• Tensile strength	9 N/cm 5.1 lbs/in	• Static shear resistance at 70°C	good
• Ageing resistance (UV)	medium	• Tack	very good
• Fogging	very good	• Temperature resistance long term	40 °C 104 °F
• Humidity resistance	good	• Temperature resistance short term	80 °C 176 °F
• Static shear resistance at 23°C	good		



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Adhesion to Values

• ABS (initial)	11.8 N/cm 107.8 oz/in	• PP (after 14 days)	9 N/cm 82.2 oz/in
• Aluminium (initial)	13 N/cm 118.8 oz/in	• PS (initial)	12.4 N/cm 113.3 oz/in
• PC (initial)	13.4 N/cm 122.4 oz/in	• PVC (initial)	12 N/cm 109.6 oz/in
• PE (initial)	8 N/cm 73.1 oz/in	• PVC (after 14 days)	13 N/cm 118.8 oz/in
• PE (after 14 days)	8.5 N/cm 77.7 oz/in	• Steel (initial)	12.5 N/cm 114.2 oz/in
• PET (initial)	10.6 N/cm 96.8 oz/in	• Steel (after 14 days)	13 N/cm 118.8 oz/in
• PP (initial)	9 N/cm 82.2 oz/in	• Steel (covered side, initial)	12.5 N/cm 114.2 oz/in

Additional Information

For spools, it is recommended to use tesa[®] dispensers to achieve optimal results.

Disclaimer

tesa[®] products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless 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. Therefore, 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.



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