

tesa® 51571

Double-sided non-woven tape

PRODUCT INFORMATION

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.

Main Application

tesa® 51571 is used for applications such as:
Mounting of evaporator plates in the production of refrigerators

Technical Data

| | | | |
|-----------------------|------------------|----------------------|---------------------|
| ■ Backing material | non-woven | ■ Tensile strength | 5 N/cm |
| ■ Colour | 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 | 2.5 % | ■ Weight of liner | 78 g/m ² |

Adhesion to

| | | | |
|-----------------------|-----------|-----------------|-----------|
| ■ Steel (initial) | 15.2 N/cm | ■ PET (initial) | 10.6 N/cm |
| ■ ABS (initial) | 11.8 N/cm | ■ PP (initial) | 8.9 N/cm |
| ■ Aluminium (initial) | 13.0 N/cm | ■ PS (initial) | 12.4 N/cm |
| ■ PC (initial) | 13.4 N/cm | ■ PVC (initial) | 11.7 N/cm |
| ■ PE (initial) | 9.0 N/cm | | |

Properties

| | | | |
|--|------------|-----------------------------------|----|
| ■ Temperature resistance (short & long term) | 80 & 40 °C | ■ Static shear resistance at 23°C | ++ |
| ■ Tack | + | ■ Static shear resistance at 40°C | + |
| ■ Humidity resistance | + | ■ Ageing resistance (UV) | o |

Evaluation across relevant tesa® assortment: ++ very good, + good, o medium, - low

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