



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.

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 | • Weight of liner | 78 g/m ² |

Properties/Performance Values

| | | | |
|-----------------------------------|--------|-------------------------------------|-----------|
| • Elongation at break | 2 % | • Static shear resistance at 40°C | very good |
| • Tensile strength | 9 N/cm | • Static shear resistance at 70°C | good |
| • Ageing resistance (UV) | medium | • Tack | very good |
| • Humidity resistance | good | • Temperature resistance long term | 40 °C |
| • Static shear resistance at 23°C | good | • Temperature resistance short term | 80 °C |



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Adhesion to Values

| | | | |
|-----------------------|-----------|---------------------------------|-----------|
| • ABS (initial) | 11.8 N/cm | • PP (after 14 days) | 9 N/cm |
| • Aluminium (initial) | 13 N/cm | • PS (initial) | 12.4 N/cm |
| • PC (initial) | 13.4 N/cm | • PVC (initial) | 12 N/cm |
| • PE (initial) | 8 N/cm | • PVC (after 14 days) | 13 N/cm |
| • PE (after 14 days) | 8.5 N/cm | • Steel (initial) | 12.5 N/cm |
| • PET (initial) | 10.6 N/cm | • Steel (after 14 days) | 13 N/cm |
| • PP (initial) | 9 N/cm | • Steel (covered side, initial) | 12.5 N/cm |

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.

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