



# tesa<sup>®</sup> 51570

## Product Information



Double-sided non-woven tape

### Product Description

tesa<sup>®</sup> 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.

### Product Features

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

### Application Fields

General purpose mounting

### 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        | • Total thickness | 110 µm   |
| • Type of adhesive | synthetic rubber |                   | 4.3 mils |

### Properties/Performance Values

- |                          |        |                                     |                 |
|--------------------------|--------|-------------------------------------|-----------------|
| • Ageing resistance (UV) | medium | • Static shear resistance at 23°C   | good            |
| • Chemical Resistance    | low    | • Static shear resistance at 40°C   | low             |
| • Fogging                | good   | • Tack                              | very good       |
| • Humidity resistance    | good   | • Temperature resistance long term  | 40 °C<br>104 °F |
| • Softener resistance    | low    | • Temperature resistance short term | 80 °C<br>176 °F |



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### Adhesion to Values

• PE (initial)	5.5 N/cm 50.2 oz/in	• PVC (initial)	9 N/cm 82.2 oz/in
• PE (after 14 days)	7 N/cm 64 oz/in	• PVC (after 14 days)	12.5 N/cm 114.2 oz/in
• PP (initial)	7 N/cm 64 oz/in	• Steel (initial)	12 N/cm 109.6 oz/in
• PP (after 14 days)	12 N/cm 109.6 oz/in	• Steel (after 14 days)	13 N/cm 118.8 oz/in
• PS (initial)	8 N/cm 73.1 oz/in		

### Additional Information

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

### Disclaimer

tesa<sup>®</sup> 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<sup>®</sup> 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=51570>