



# tesa® 51570

## Product Information



Double-sided non-woven tape

### Product Description

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.

### 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 material | non-woven        | • Total thickness | 110 µm |
| • Type of adhesive | synthetic rubber |                   |        |

### Properties/Performance Values

- |                                   |        |                                              |           |
|-----------------------------------|--------|----------------------------------------------|-----------|
| • Ageing resistance (UV)          | medium | • Static shear resistance at 40°C            | low       |
| • Chemical resistance             | low    | • Tack                                       | very good |
| • Humidity resistance             | good   | • Temperature resistance long term duration  | 40 °C     |
| • Softener resistance             | low    | • Temperature resistance short term duration | 80 °C     |
| • Static shear resistance at 23°C | good   |                                              |           |

### Adhesion to Values

- |                      |          |                         |           |
|----------------------|----------|-------------------------|-----------|
| • PE (initial)       | 5.5 N/cm | • PVC (initial)         | 9 N/cm    |
| • PE (after 14 days) | 7 N/cm   | • PVC (after 14 days)   | 12.5 N/cm |
| • PP (initial)       | 7 N/cm   | • Steel (initial)       | 12 N/cm   |
| • PP (after 14 days) | 12 N/cm  | • Steel (after 14 days) | 13 N/cm   |
| • PS (initial)       | 8 N/cm   |                         |           |



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### Additional Information

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

### Disclaimer

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