



# tesa® 58311

## Product Information

1150 µm glassfibre electrical insulation tape

### Product Description

tesa® 58311 is a 1150 µm glassfibre tape with an acrylic adhesive. 58311® has been designed for electrical insulation applications at very high temperatures.

### Product Features

- High temperature resistance
- Electrical insulation
- Fire retardancy

### Application Fields

Very high temperature electrical insulation of metal parts and battery housing against dielectric shock in automotive battery packs.

Example application areas are:

- Battery housing top lid
- Battery housing floor
- Bus bar

### 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 | fibreglass | • Total thickness    | 1150 µm     |
| • Type of adhesive | acrylic    | • Colour of liner    | transparent |
| • Type of liner    | PET        | • Thickness of liner | 50 µm       |

### Properties/Performance Values

- |                       |          |                       |          |
|-----------------------|----------|-----------------------|----------|
| • Elongation at break | 1.5 %    | • Humidity resistance | yes      |
| • Tensile strength    | 200 N/cm | • Liner removal force | 25 cN/cm |
| • Dielectric strength | 6 kV/mm  |                       |          |

### Adhesion to Values

- |                   |        |
|-------------------|--------|
| • Steel (initial) | 4 N/cm |
|-------------------|--------|



# tesa<sup>®</sup> 58311

## Product Information

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=58311>