



tesa[®] 58311

Fire Protection Tape

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 | fibreglass | • Total thickness | 1150 µm |
| • Type of adhesive | acrylic | • Color 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 |
|-------------------|--------|



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