



tesa[®] 58358

Product Information



220 µm s/s black PET electrical insulation tape

Product Description

tesa[®] 58358 is a black 220 µm single sided PET insulation tape designed for electrical insulation of electric vehicle batteries and other components.

Product Features

- Very strong adhesion to aluminum and steel
- Strong backing to resist mechanical stress
- Reliable protection against dielectric breakdown
- Suitable for high-speed automated processing through strong backing and liner
- Non-flammable acc. to FMVSS 302

Application Fields

Electrical insulation of battery cells and other components for electric vehicles

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 | PETP | • Color | black |
| • Type of adhesive | modified acrylic | • Color of liner | white |
| • Type of liner | paper | • Thickness of liner | 70 µm |
| • Total thickness | 220 µm | | |

Properties/Performance Values

- | | | | |
|-----------------------|----------|--------------------------------|--------|
| • Elongation at break | 80 % | • Dielectric breakdown voltage | 8000 V |
| • Tensile strength | 210 N/cm | | |

Adhesion to Values

- | | | | |
|-----------------------------|-----------|-------------------------|-----------|
| • Aluminium (initial) | 10.5 N/cm | • Steel (initial) | 15.3 N/cm |
| • Aluminium (after 14 days) | 13.2 N/cm | • Steel (after 14 days) | 17.4 N/cm |



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