



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



# tesa<sup>®</sup> 58358

## Product Information

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=58358>