

# tesa® 58358

## Product Information

220 µm/8.66 mils s/s black PET electrical insulation tape

### Product Description

tesa® 58358 is a black 220 µm/8.66 mils single sided PET insulation tape designed for electrical insulation of electric vehicle batteries and other components.

#### Main Features & Benefits

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

### 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		8.7 mils
• Type of liner	paper	• Color of liner	white
		• Thickness of liner	70 µm
			2.8 mils

# tesa® 58358

## Product Information

### Properties/Performance Values

- |                       |                          |                                |         |
|-----------------------|--------------------------|--------------------------------|---------|
| • Elongation at break | 80 %                     | • Dielectric breakdown voltage | 12000 V |
| • Tensile strength    | 210 N/cm<br>119.9 lbs/in |                                |         |

### Adhesion to Values

- |                       |                         |
|-----------------------|-------------------------|
| • Aluminium (initial) | 10.5 N/cm<br>95.9 oz/in |
|-----------------------|-------------------------|

## Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



For latest information on this product please visit <http://l.tesa.com/?ip=58358BK0001>