



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 |



tesa[®] 58358

Product Information

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=58358>