



tesa[®] 58356

Product Information



130µm single-sided black PET tape

Product Description

tesa[®] 58356 is a 130µm single-sided black PET tape equipped with 100µm black PET backing to ensure an outstanding electrical insulation property. Its tackified acrylic adhesive offers a very good reliable bonding strength during applications. Transparent PET liner provides easy handling while converting.

Product Features

- Excellent electrical insulation protection in battery
- Suitable for automation process
- Reliable processing through strong liner and backing
- Outstanding reliability performance according to automotive environment
- RoHS, REACH compliance
- Halogen-free

Application Fields

Electrical insulation of battery side plate and other components of 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 | PET | • Total thickness | 130 µm |
| • Type of adhesive | tackified acrylic | • Color of liner | transparent |
| • Type of liner | PET film | • Thickness of liner | 36 µm |

Properties/Performance Values

- | | | | |
|--------------------------------|-----------|------------------------------------|-----------|
| • Elongation at break | 154 % | • Static shear resistance at 23°C | very good |
| • Tensile strength | 165 N/cm | • Static shear resistance at 40°C | very good |
| • Dielectric breakdown voltage | 13330 V | • Temperature resistance long term | 125 °C |
| • Humidity resistance | very good | | |

Adhesion to Values

- | | | | |
|-----------------------------|----------|-------------------------|-----------|
| • Aluminium (initial) | 5.1 N/cm | • Steel | 8 N/cm |
| • Aluminium (after 14 days) | 7.2 N/cm | • Steel (after 14 days) | 12.5 N/cm |

For latest information on this product please visit <http://l.tesa.com/?ip=58356>



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