

tesa® 58377

Product Information

50µm Single-Sided Black Flame-Retardant PET Tape

Product Description

tesa® 58377BK is a 50µm Single-Sided Black Flame-Retardant PET Tape. It is equipped with flame retardant acrylic and a black PET backing. Its PE coated liner also ensures good convertability.

Product Features

- Outstanding flame retardancy performance (VTM 0) according to UL94
- Very good electrical insulation property
- Reliable adhesion strength on polar substrate
- Friendly to converting process

Application Fields

- Electrical insulation in Battery system with additional flame retardant property (VTM 0)
- Wrapping or encapsulation

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 material | PET | • Total thickness | 50 µm |
| • Type of adhesive | FR acrylic | • Thickness of liner | 140 µm |
| • Type of liner | PE-coated paper | | |

Properties/Performance Values

- | | | | |
|--------------------------------|--------|---|-------|
| • Elongation at break | 88 % | • Static shear resistance at 23°C | good |
| • Dielectric breakdown voltage | 4500 V | • Temperature resistance long term duration | 85 °C |

Adhesion to Values

- | | | | |
|-----------------------------|----------|------------------------|----------|
| • Aluminium (initial) | 5 N/cm | • ASTM (initial) | 6 N/cm |
| • Aluminium (after 14 days) | 6.2 N/cm | • ASTM (after 14 days) | 6.8 N/cm |

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