

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 %	• Temperature resistance long term duration	70 °C
• Dielectric breakdown voltage	4500 V	• Temperature resistance short term duration	125 °C
• Static shear resistance at 23°C	good		

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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