



tesa[®] 58377

Product Information

50µm Single-Sided White Flame-Retardant PET Tape

Product Description

tesa[®] 58377 is a 50µm Single-Sided White Flame-Retardant PET Tape. It is equipped with flame retardant acrylic adhesive and a white PET backing. Its PE coated liner also ensures good convertibility.

Product Features

- Outstanding flame retardant 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 | 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 | 70 °C |
| • Dielectric breakdown voltage | 4500 V | • Temperature resistance short term | 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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