



tesa[®] 58377

Product Information

50 µm single-sided white flame retardant PET tape

Product Description

The 25 µm white FR PET filmic backing offers excellent electrical insulation property. The PET liner ensures it can be easily released without adhesive residue. It is equipped with FR modified acrylic to ensure the tape meet UL 94 VTM-0 FR level.

Product Features

- Very good adhesion strength on polar substrate
- Flame retardancy (UL94 VTMO equivalent)
- Excellent electrical insulation property
- Friendly to converting process
- Halogen-free

Application Fields

- Electrical insulation protection on metal parts with FR performance
- Encapsulation of fire protection or thermal insulation material

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 | • Color of liner | transparent |
| • Type of liner | PET film | • Thickness of liner | 25 µm |

Properties/Performance Values

- | | | | |
|--------------------------------|-----------|-------------------------------------|--------|
| • Elongation at break | 131.9 % | • Temperature resistance long term | 125 °C |
| • Tensile strength | 32.2 N/cm | • Temperature resistance short term | -40 °C |
| • Dielectric breakdown voltage | 6000 V | | |

Adhesion to Values

- | | | | |
|-----------------------------|----------|------------------------|----------|
| • Aluminium (initial) | 5.6 N/cm | • ASTM (initial) | 6.7 N/cm |
| • Aluminium (after 14 days) | 6.5 N/cm | • ASTM (after 14 days) | 7.3 N/cm |



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