



tesa[®] 51408

Product Information



Premium Grade Polyimide Tape 260°C

Product Description

tesa[®] 51408 is a premium grade polyimide tape with a silicone adhesive that has been specially developed to provide a solution for applications which require high temperature and chemical resistance.

tesa[®] 51408 is used for various applications, especially for wave soldering, thermal insulation and cable wrapping as well as masking during powder-coating processes where the tape enables sharp color edges and offers excellent paint anchorage. The polyimide tape's silicone adhesive system provides a high peel adhesion on various surfaces and makes the tape extremely heat-resistant, withstanding extreme temperatures of up to 260°C in continuous applications.

Product Features

- High temperature resistance (up to 260°C)
- Flame retardant according to UL510 and DIN EN 60454-2 (VDE 0340-2):2008-05, clause 20
- High chemical resistance and dielectric strength
- Residue-free removability for masking applications

Application Fields

- tesa[®] 51408 is recommended for high temperature masking, e.g. powder coating, galvanizing
- The premium grade polyimide tape can be used for chemical production processes and wave soldering, e.g. during circuit board assembly
- Suitable for masking of 3D printing beds or electrical and thermal insulation, e.g. wire-or cable-wrapping

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 | Polyimide | • Total thickness | 65 µm |
| • Type of adhesive | silicone | | |

Properties/Performance Values

- | | | | |
|-----------------------|---------|--------------------------------|--------|
| • Elongation at break | 70 % | • Dielectric breakdown voltage | 6000 V |
| • Tensile strength | 46 N/cm | • Insulation class | H |

Adhesion to Values

- | | |
|---------|----------|
| • Steel | 2.8 N/cm |
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