

## Product Information

### Premium Grade Polyimide Tape

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.

#### Benefits:

- High temperature resistance (up to 260°C)
- High chemical resistance and dielectric strength
- Good conformability, thin backing for sharp paint lines
- Residue-free removability for masking applications

### Main Application

- 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.

#### Technical Data

- |                       |           |                                |           |
|-----------------------|-----------|--------------------------------|-----------|
| • Backing material    | polyimide | • Tensile strength             | 46 N/cm   |
| • Total thickness     | 65 µm     | • Temperature resistance       | 260 °C    |
| • Type of adhesive    | silicone  | • Dielectric breakdown voltage | 6000 volt |
| • Elongation at break | 70 %      |                                |           |

#### Adhesion to

- steel 2.8 N/cm

#### Properties

- Insulation class H

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### Disclaimer

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