

tesa® 51407

Standard Grade Polyimide Tape 260°C



Product Description

tesa® 51407 is a standard 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® 51407 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 makes the tape extremely heat-resistant, withstanding extreme temperatures of up to 260°C in continuous applications. tesa® 51407 standard grade polyimide tape is also available in a liner version for die-cuts.

Product Features:

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

Application Fields:

- tesa® 51407 is recommended for high temperature masking, e.g. powder coating, galvanizing
- The standard 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**

Type of adhesive **silicone**

Total thickness **62 µm**

Properties/Performance Values

Elongation at break **35 %**

Tensile strength **40 N/cm**

Adhesion to Values

Steel **2.5 N/cm**

