

**Packstat PS589** 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. PS589 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 colour 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 Benefits

- 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

### Main Applications

- PS589 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

Product Properties	Unit	Nominal Value
Adhesive Type	n/a	silicone
Backing material	n/a	Polyimide
Total thickness	µm	65
Elongation at break	%	70
Dielectric breakdown voltage	v	6,000
Insulation class	N/A	H
Adhesion to steel	N/cm	2.8

28<sup>th</sup> April 2026

The information supplied is accurate to the best of knowledge and is based upon current data. Properties quoted are typical and do not therefore, constitute a specification. Customers are recommended to complete their own assessment of the product for its intended application under their own conditions. Once issued however, it is an uncontrolled document. Please refer to our Terms & Conditions of Sale for further information.