

PS-1

HIGH TEMPERATURE HIGH TENSILE SILICONE FLASH MASKING TAPE

PRODUCT DESCRIPTION

PS-1 is a multi-purpose, high temperature masking and tabbing tape originally designed for flash masking in the composite bonding industry. The backing is a heavy duty thermally stable polyester film with a high tack, high temperature silicone adhesive making it ideal for the aerospace and industrial applications.

FEATURES

- Silicone adhesive that bonds quickly and permanently to silicone-coated surfaces.
- Heavy-duty polyester backing eliminates tape puncture and tear.
- Adhesive is firmly anchored to the backing so there is no residue when removed.
- Thermally stable polyester film suitable for continuous use up to 356°F/180°C.

PRODUCT CONSTRUCTION

POLYESTER FILM
SILICONE ADHESIVE

APPLICATION

- Engineered for typical flash masking applications where high-tensile strength is needed.
- Suitable for splicing or end-tabling silicone treated papers, films and fabrics.
- Can be used for masking on powder coated paint systems.

PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

Backing Material	Polyester film	
Adhesive	Silicone adhesive	
Color	Red	
	Imperial	Metric
Total Tape Thickness	4.7 mil	0.119 mm
Film Thickness	1.42 mil	0.036 mm
Tensile Strength	25 lb/in	87.56 N/20 mm
Elongation	100%	
Adhesion to Steel	35 oz/in	7.66 N/20 mm
Unwind @ 150 FPM	60 oz/in	13.13 N/20 mm
Certifications	ISO /IATF/AS: https://www.nitto.com/us/en/about_us/Americas/americas_certification/	

*CAUTION: The above are typical values and should not be used in writing specifications. Customer is responsible to ensure product meets intended application requirements before approved for use.

SHELF LIFE & GENERAL STORAGE CONDITIONS

The general shelf life and storage conditions for this Nitto, Inc. product are as follows:

- Shelf life for this product is TWELVE MONTHS FROM DATE OF SHIPMENT.
- Best stored between 50°F-80°F / 10°C-27°C, 25-50% relative humidity; out of direct sunlight.

PRECAUTION REMINDER

Surface should be clean, free of oil, moisture and dirt before applying. Pressure-sensitive adhesive tapes may require pressure by roller, hand or press when applying. Not doing so may affect the general properties and appearance. Please inspect your surface prior to application; this tape may not adhere well to extremely uneven or distorted surfaces. Please remember to allow adequate time for full adhesive strength.

WARRANTY INFORMATION

Unless Nitto agrees otherwise in a written agreement signed by Nitto, the warranty information and other terms of sale can be found in the Nitto Terms and Conditions of Sale in the legal section of www.nitto.com and are hereby incorporated by reference.

TECHNICAL SUPPORT

For questions pertaining to this data sheet or for additional product information; please email us directly at support.us@nitto.com

