

## 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 backing, which does away with mass transfer upon tape removal.
- 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.
- Also can be used for powder coat paint masking applications.

#### PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

<b>Backing Material</b>	Polyester film	
<b>Adhesive</b>	Silicone adhesive	
<b>Color</b>	Red	
	<b>Imperial</b>	<b>Metric</b>
<b>Total Tape Thickness</b>	4.7 mil	0.119 mm
<b>Film Thickness</b>	1.42 mil	0.036 mm
<b>Tensile Strength</b>	30 lb/in	52.5 N/10 mm
<b>Elongation</b>	100%	100%
<b>Adhesion to Steel</b>	35 oz/in	3.82 N/10 mm
<b>Unwind @ 150 FPM</b>	60 oz/in	6.54 N/10 mm
<b>Adhesion to Silicone Liner</b>		
<b>Emulsion-coated</b>	20 oz/in	2.18 N/10 mm
<b>Solvent-coated</b>	15 oz/in	1.64 N/10 mm
<b>180° Shear Adhesion</b>		
<b>Emulsion-coated</b>	18 lb/in	31.5 N/10 mm
<b>Solvent-coated</b>	18.5 lb/in	32.4 N/10 mm

\*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.

RoHS Compliant.



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## GENERAL STORAGE CONDITIONS

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

The following is made in lieu of all warranties, expressed or implied, including the warranty of merchantability and fitness for a particular or ordinary purpose. NITTO DENKO AMERICA warrants that its products meet the applicable specifications at the time of shipment from our warehouse and NITTO DENKO AMERICA's sole obligation shall be to replace any such quantity of the product which fails to meet NITTO DENKO AMERICA's specifications, or to issue a credit for such merchandise, for a period of six (6) months from the date of shipment.

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