

PS-2

HIGH TEMPERATURE SILICONE FLASH MASKING TAPE

PRODUCT DESCRIPTION

PS-2 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

Backing Material	Polyester film	
Adhesive	Silicone adhesive	
Color	Red	
	Imperial	Metric
Total Tape Thickness	2.4 mil	0.061 mm
Film Thickness	0.92 mil	0.023 mm
Tensile Strength	25 lb/in	44 N/10 mm
Elongation	80%	80%
Adhesion to Steel	33 oz/in	3.60 N/10 mm
Unwind @ 150 FPM	40 oz/in	4.36 N/10 mm
Adhesion to Silicone Liner		
Emulsion-coated	20 oz/in	2.18 N/10 mm
Solvent-coated	15 oz/in	1.64 N/10 mm
180° Shear Adhesion		
Emulsion-coated	18 lb/in	31.5 N/10 mm
Solvent-coated	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.



For additional information or support, please visit our website at www.nittousa.com or call toll free 800-755-8273

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.

NITTO DENKO AMERICA MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

NITTO DENKO AMERICA shall not be liable for any injury, loss or damage, direct or consequential, arising out of or in connection with the use or the inability to use the product, nor shall any recovery of any kind in total against NITTO DENKO AMERICA be greater in amount than the purchased price of the specific material sold causing the alleged loss, damage or injury. Before using, buyer shall be responsible to determine the suitability of the product for his intended use, and buyer assumes all risk and liability in connection therewith. The foregoing may not be altered except by an agreement signed by an officer of NITTO DENKO AMERICA.

Any delays in or failure by either party hereto in the performance of any obligations hereunder shall be excused if and to the extent caused by occurrences beyond such party's reasonable control, including Acts of God, strikes or other labor disturbances, war, whether declared or not, fire, inability to secure transportation or any other cause or causes which cannot be reasonably controlled by such party.