# Product Data Sheet

Updated: November 2016  This datasheet replaces all previous versions

# 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-tabbing 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** | 4.7 mil | 0.119 mm |
| **Film Thickness** | 1.42 mil | 0.036 mm |
| **Tensile Strength** | 30 lb/in | 52.5 N/10 mm |
| **Elongation** | 100% | 100% |
| **Adhesion to Steel** | 35 oz/in | 3.82 N/10 mm |
| **Unwind @ 150 FPM** | 60 oz/in | 6.54 N/10 mm |

RoHS Compliant.

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

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*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.

## GENERAL STORAGE CONDITIONS

Best stored between 50°F-80ºF / 10°C-27ºC, 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.

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