

P-100

ALUMINUM FOIL, GLASS CLOTH

PRODUCT DESCRIPTION

A high temperature heat and EMI/RFI shielding tape that exhibits outstanding radiant heat reflectivity and thermal stability at extremely high temperatures for short periods of time. This product is ideal for use in aerospace and automotive markets.

FEATURES

- Uniquely combines high tear and tensile strength with flexibility and conformability.
- The backing retains its physical properties even after thermal degradation of the silicone adhesive into an insulating layer of silica.
- Can be easily applied by hand or automated machine taping equipment.

PRODUCT CONSTRUCTION

ALUMINUM FOIL
LAMINATION COATING
GLASS CLOTH
SILICONE ADHESIVE

APPLICATION

- Applied in high temperature and EMI/RFI shielding applications easily and conveniently providing outstanding radiant heat reflectivity and thermal stability at high temperatures for short periods of time.
- Can be used as a radiant heat shield for the protection of electrical control wiring, power cables, and other heat-sensitive devices in turbo-jet aircraft engine compartments, missile rocket engines and missile launch pad areas.
- Excellent masking product against plasma metal spray applications.
- Recommended for electro-magnetic interference (EMI) and radio frequency interference (RFI) shielding on coils, small electro-magnetic components and enhancements of braid shielded cables and harnesses

PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

Backing Material	1 mil aluminum foil laminated on a 2 mil glass cloth	
Adhesive	Silicone, cured	
Color	Aluminum	
	Imperial	Metric
Total Tape Thickness	6.8 mil	0.173 mm
Tensile Strength	120 lb/in	210 N/10 mm
Elongation	5%	5%
Adhesion to Steel	60 oz/in	6.5 N/10 mm
Insulation Class UL	356°F	180°C
Certifications	UL-510	

*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-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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