

P-100L

ALUMINUM FOIL, GLASS CLOTH WITH LINER

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 applied by hand or automated machine taping equipment.

PRODUCT CONSTRUCTION

ALUMINUM FOIL
GLASS CLOTH
SILICONE ADHESIVE
LINER

APPLICATION

- 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 w/o Liner	6.8 mil	0.173 mm
Total Tape Thickness with Liner	8.8 mil	0.22mm
Tensile Strength	120 lb/in	420 N/20 mm
Elongation	5%	
Adhesion to Steel	60 oz/in	13.13 N/20 mm
Insulation Class UL	356°F	180°C
Certifications	UL-510, 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 EIGHTEEN 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