

P-421 NAT

5-MIL PTFE FILM TAPE

PRODUCT DESCRIPTION

P-421 is an extremely durable tape with low friction making it ideal for use in aerospace, transportation, processing and electrical applications.

FEATURES

- Operates in high temperature applications and has a high dielectric strength.
- The PTFE backing helps to reduce friction creating slick surfaces helping materials move faster.
- Impervious to most chemical including acids, solvents, fuels and most alkalies.

PRODUCT CONSTRUCTION

PTFE FILM
CURED SILICONE

APPLICATION

- The ideal tape wherever a low friction surface is required to help speed up the movement of materials reducing equipment wear, such as in roller protection.
- High temperature applications with medium gauge magnet wires in larger sized components.
- Anti-vibration cushion, a gasket for flanges, joints and clamp connectors and as a high temperature release surface on heat sealer bars and rollers.
- Prevents electrolytic corrosion of dissimilar metals and to help mask parts placed in chemical cleaning or electroplating solutions.

PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

Backing Material	PTFE Film	
Adhesive	Cured Silicone	
Color	Gray	
	Imperial	Metric
Total Tape Thickness	6.8 mil	0.17 mm
Tensile Strength	66 lbs/in	231 N/20 mm
Elongation	143%	
Adhesion to Steel	37 oz/in	8.1 N/20 mm
Dielectric Strength	17,800 volts	17.8 kV
Insulation Class CSA	356°F	180°C
Insulation Class UL	356°F	180°C
Certifications	UL-510 & CSA C-22-2, ISO /IATF/AS: https://www.nitto.com/us/en/about_us/Americas/americas_certification/	
Government Specifications	CID-A-A-59474C Type I, Class 4(Replaces obsolete MIL-T-23594C Type I, Class 4) ASTM D2686	
Boeing Specifications	BAC 5034-4 Type VII, Class 2/ BAC 5157/ BAC 5153/ BAC 5158/ BAC 5152	

*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 TWENTY FOUR 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