

P-421 NAT

5-MIL PTFE FILM TAPE

PRODUCT DESCRIPTION

P-421 is an extremely durable tape that fulfills requirements for in many applications. The P-421 is ideal for use in aerospace 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 attacks including acids, solvents, fuels and most alkalies.

PRODUCT CONSTRUCTION

PTFE FILM	
CURED SILICONE	

APPLICATION

- The ideal tape wherever a slick surface is required to help speed up the movement of materials reducing
 equipment wear, such as rollers in the web processing industry.
- High temperature applications such as 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	116 N/10 mm	
Elongation	143%	143%	
Adhesion to Steel	37 oz/in	4.0 N/10 mm	
Dielectric Strength	17,800 volts	17.8 kV	
Insulation Class CSA	356℉	180℃	
Insulation Class UL	356℉	180℃	
Certifications	UL-510 & CSA-C-22-2		
Government Specifications	MIL-T-23594C Type I, Class 4/ DAN 269/ ASTM D2686/ CID-A-A-59474 Type I, Class 4		
Boeing Specifications	BAC 5034 Type IV, Class 3B/ BAC 5157		

^{*}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.

UL component Recognition Guide OANZ2, File E20392, CSA C-22.2.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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TECHNICAL DATA SHEET

Updated: August 2011 This datasheet replaces all previous versions



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.

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