

P-421 NAT

5-MIL PTFE FILM TAPE

PRODUCT DESCRIPTION

P-421 is an extremely durable tape making it ideal for use in aerospace, web 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 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	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°F	180°C
Insulation Class UL	356°F	180°C
Certifications	UL-510 & CSA-C-22-2	
Government Specifications	CID-A-A-59474C Type I, Class 4(Replaces obsolete MIL-T-23594C Type I, Class 4, ASTM D570	
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.

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 warrants for a period of one (1) year from the date of delivery that products sold to the Customer will be free of defects in workmanship and material. Such warranty will apply only if the Customer notifies Nitto in writing of these defects in reasonable detail, within two (2) weeks after a defect is discovered or should have been reasonably discovered by the Customer. This warranty does not extend i) to products which have been subject to misuse or neglect, ii) to products which have been altered or repaired by personnel other than personnel employed by Nitto or employed by Customer and certified by Nitto or iii) to damage caused, directly or indirectly, by the operation or maintenance performed by any untrained individuals.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ANY OTHER WARRANTIES ARE HEREBY DISCLAIMED AND EXCLUDED.

If the warranty in the first paragraph is breached, the exclusive remedy of Customer and the exclusive obligation of Nitto will be as Nitto elects: to repair or replace the defective product within a reasonable period of time. Return of products to Nitto is allowed only after a Return Material Authorization Number (RMA) has been issued by Nitto. Such RMA will be issued after Nitto receives the notice described in the first paragraph. No shipments of returned products will be accepted without an RMA number. Repair or replacement of the products returned to Nitto will occur only after Nitto has received the returned products and determined that the returned goods were in breach of warranty. Customer will bear all expenses and risk of loss in connection with the return of any products, and Nitto will reimburse Customer for the cost of surface transportation to Nitto of returned products.

IN NO EVENT WILL NITTO BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, OR SPECIAL DAMAGES WHICH ARISE IN CONNECTION WITH THE FAILURE OF, OR DEFECTIVE PERFORMANCE OF, ANY PRODUCT SOLD OR THE BREACH OF WARRANTY EVEN IF NITTO HAD NOTICE OF THE POSSIBILITY HEREOF.

Customer's recovery of any equitable amount or any kind will not be greater than the amount paid for this product. Customer hereby waives all other remedies, statutory or otherwise including the remedies of specific performance or replevin.