

P-424 NAT

10-MIL PTFE FILM TAPE

PRODUCT DESCRIPTION

P-424 NAT is a thicker, enhanced version of P-422 NAT. It has excellent high and low temperature capabilities, is a great choice for die-cut insulators and is ideal for use in the aerospace and electrical markets.

FEATURES

- Operates effectively over a wide temperature range between 250°F/500°F - 121°C/ 260°C.
- Impervious to most chemical attacks including many acids, solvents, fuels and a variety of alkalies.
- The PTFE backing provides a low coefficient of friction which creates a smooth surface promoting faster movement and less friction of various devices and or materials.

PRODUCT CONSTRUCTION

PTFE FILM
CURED SILICONE

APPLICATION

- This is the ideal tape for maximum wear resistance when abrasion resistance plays a critical factor.
- Widely used whenever a slick surface is required to help speed the movement of materials and reduce wear on expensive metal parts such as rollers or on bearing surfaces.

PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

Backing Material	PTFE Film	
Adhesive	Cured Silicone	
Color	Gray	
	Imperial	Metric
Total Tape Thickness	11.6 mil	0.295 mm
Tensile Strength	60 lbs/in	210 N/20 mm
Elongation	475%	
Adhesion to Steel	45 oz/in	9.85 N/20mm
Dielectric Strength	22,800 volts	22.8 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/	
Specifications	https://www.nitto.com/us/en/products/aerospace/AerospaceSpecList_NA/	

*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