

## 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

<b>Backing Material</b>	PTFE Film	
<b>Adhesive</b>	Cured Silicone	
<b>Color</b>	Gray	
	<b>Imperial</b>	<b>Metric</b>
<b>Total Tape Thickness</b>	11.6 mil	0.295 mm
<b>Tensile Strength</b>	60 lbs/in	210 N/20 mm
<b>Elongation</b>	475%	
<b>Adhesion to Steel</b>	45 oz/in	9.85 N/20mm
<b>Dielectric Strength</b>	22,800 volts	22.8 kV
<b>Insulation Class CSA</b>	356°F	180°C
<b>Insulation Class UL</b>	356°F	180°C
<b>Certifications</b>	UL-510 & CSA C-22-2, <a href="https://www.nitto.com/us/en/about_us/Americas/americas_certification/">ISO /IATF/AS:</a>	
<b>Boeing Specifications</b>	BAC 5034-4 Type VII, Class 2	

\*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](http://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](mailto:support.us@nitto.com)