

P-423 NAT

2-MIL BONDABLE PTFE FILM TAPE

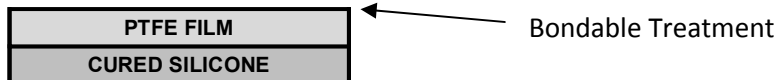
PRODUCT DESCRIPTION

P-423 NAT has outstanding bondability without a liner. The bondable backing offsets the anti-stick property of a conventional PTFE film for uses requiring the coating to wet out and adhere to the tape surface.

FEATURES

- Provides unsurpassed dielectric strength over a wide range of temperatures.
- Writable and exhibits excellent conformability.
- Tough, high abrasion and tear resistance.
- A treatment of the film helps to create bond ability without the use of an interliner.

PRODUCT CONSTRUCTION



APPLICATION

- The ideal tape where electrical varnishes and epoxy resins are used.
- High adhesion to the backing allows for a harness wrap as a base for resin coatings.
- Our bondable backing is directly writable or printable for conventional printing methods and inks.
- Used in wrapping over small diameters and where coatings are required to bond to the tape surface, for bundling end turns, insulating connections in small high frequency, fine wire wound resin encapsulated motors and for aerospace service.

PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

Backing Material	Bondable PTFE Film	
Adhesive	Cured silicone	
Color	Gray	
	Imperial	Metric
Total Tape Thickness	3.9 mil	0.1 mm
Tensile Strength	30 lb./in.	105 N/20 mm
Elongation	140%	
Adhesion to Steel	29 oz./in.	6.35 N/20 mm
Dielectric Strength	9,400 volts	9.4 kV
Insulation Class CSA	311°F	155°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	ASTM D2686 & CID A-A-59474C TYPE II, CLASS I	
Boeing	BAC 5152 & BAC 5153	

*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