Nitto

Product Data Sheet

Updated: January 2020. This datasheet replaces all previous versions

P-430 NAT

2-MIL PTFE FILM TAPE

PRODUCT DESCRIPTION

P-430 NAT has an aggressive solvent resistant acrylic adhesive that offers superior adhesion to most surfaces. P-430 NAT is ideal for use in aerospace and electrical applications.

FEATURES

- Resistant to Freon, fuels and solvents.
- Easy to dispense and unwind which allows for ease of handling.
- Shows superior adhesion even on damp surfaces.
- Can be removed easily and with no adhesive residue.
- Prevents abrasion, squeaking or wearing on materials such as metallic's, ceramics, metals or plastics.
- Provides outstanding conformability when used on curved or irregular surfaces

PRODUCT CONSTRUCTION

PTFE FILM
ACRYLIC ADHESIVE

APPLICATION

- Engineered primarily for anti-friction masking, flashing, release and separator applications.
- Used for low friction, speeding up the movements of materials and or reducing equipment wear.
- Ideal as a liner for chutes and rails preventing powder build up; parts or package jam ups.
- High temperature release film used on heat sealer or aerospace flashing applications.
- Used for hanger wrapping to help products through paint or coating solutions.
- Can be used to help prevent electrolytic corrosion of different materials.

PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

Backing Material	PTFE Film	
Adhesive	Acrylic	
Color	Gray	
	Imperial	**Metric**
Total Tape Thickness	3.6 mil	0.091 mm
Tensile Strength	27 lbs/in.	94.5 N/20mm
Elongation	120%	
Adhesion to Steel	36 oz/in	7.8 N/20mm
Dielectric Strength	12,000 volts	12.0 kV
Insulation Class CSA	311°F	155°C
Insulation Class UL	311°F	155°C
Certifications	UL-510 & CSA C-22-2, ISO /IATF/AS: https://www.nitto.com/us/en/about_us/Americas/americas_certification/	
Government Specification	ASTM E595	

*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.nitto.com or call toll free 800-755-8273

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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-80ºF / 10°C-27ºC, 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

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