

## P-412

### RIBBON DOPE THREAD SEALANT

#### PRODUCT DESCRIPTION

P-412 is easy to use and safe to handle in housing & construction and aerospace markets. This product is not extruded with air and has a higher density.

#### FEATURES

- Completely inert to virtually all known acids, alkalis and caustics.
- High density, high specific gravity non-expanding.
- Prevents corrosion when threaded fittings of dissimilar metals are joined.
- This product is not toxic, does not affect food, pharmaceuticals, fuels and or petrochemicals.
- Effective over a wide temperature range: -65°F to 300°F/ -54°C to 149°C
- This product will not harden and is permanently self-lubricating.
- Keeps threads dust free and protects them from potential physical damage.
- Packaged on a plastic spool in an easy to use snap on case.

#### PRODUCT CONSTRUCTION

EXTRUDED PTFE

#### APPLICATION

- Seals joints and can be easily disassembled if needed.
- Seals thread joints on pipes made of a variety of materials from glass, copper, metals, steel, iron, etc.
- Seals high pressure lines carrying steam, water and gas.
- Seals connections in a variety of hydraulic pumps, lifts, compressed air, gas equipment, etc.
- Prevents leaks and seals in refrigeration, heating, cooling and anti-seize sealing applications.
- Recommended for use on all forms of threaded joints, bungs, water and flow meter connections, cylinder head studs and electrical conduit joints.

#### PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

<b>Backing Material</b>	Extruded PTFE 100% density	
<b>Color</b>	White	
	<b>Imperial</b>	<b>Metric</b>
<b>Total PTFE Thickness</b>	3.8 mil	0.097 mm
<b>Tensile Strength Longitudinal</b>	8.5 lb/ in	29.7 N/ 20 mm
<b>Elongation Longitudinal</b>	200 %	
<b>Density</b>	1.26 g/cu cm	
<b>Government Specifications</b>	CID-A-A-58092 (Replaces obsolete MIL-T-27730A)	
<b>Certifications</b>	<a href="https://www.nitto.com/us/en/about_us/Americas/americas_certification/">ISO /IATF/AS: https://www.nitto.com/us/en/about_us/Americas/americas_certification/</a>	
<b>Boeing Specification</b>	PS 17115	

\*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.

RoHS compliant.



For additional information or support, please visit our website at [www.nitto.com](http://www.nitto.com) or call toll free 800-755-8273

## 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 SIXTY 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)