

# P-412

## RIBBON DOPE THREAD SEALANT

### PRODUCT DESCRIPTION

P-412 is easy to use and safe to handle. This product is not extruded with air and has a higher density.

### FEATURES

- Completely inert to virtually all known acids, alkalies 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, butrigen, Freon, etc
- 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	1.5 N/ 10 mm
<b>Elongation Longitudinal</b>	200 %	200 %
<b>Density</b>	1.26 g/cu cm	
<b>Government Specifications</b>	CID-A-A-58092 (Replaces obsolete MIL-T-27730A Type II & III)	
<b>McDonnell Douglas 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.



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### GENERAL STORAGE CONDITIONS

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

The following is made in lieu of all warranties, expressed or implied, including the warranty of merchantability and fitness for a particular or ordinary purpose. NITTO DENKO AMERICA warrants that its products meet the applicable specifications at the time of shipment from our warehouse and NITTO DENKO AMERICA's sole obligation shall be to replace any such quantity of the product which fails to meet NITTO DENKO AMERICA's specifications, or to issue a credit for such merchandise, for a period of six (6) months from the date of shipment.

NITTO DENKO AMERICA MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

NITTO DENKO AMERICA shall not be liable for any injury, loss or damage, direct or consequential, arising out of or in connection with the use or the inability to use the product, nor shall any recovery of any kind in total against NITTO DENKO AMERICA be greater in amount than the purchased price of the specific material sold causing the alleged loss, damage or injury. Before using, buyer shall be responsible to determine the suitability of the product for his intended use, and buyer assumes all risk and liability in connection therewith. The foregoing may not be altered except by an agreement signed by an officer of NITTO DENKO AMERICA.

Any delays in or failure by either party hereto in the performance of any obligations hereunder shall be excused if and to the extent caused by occurrences beyond such party's reasonable control, including Acts of God, strikes or other labor disturbances, war, whether declared or not, fire, inability to secure transportation or any other cause or causes which cannot be reasonably controlled by such party.