



**42TL**

42TL is a thixotropic anaerobic, blue threadlocker adhesive formulated to cure rapidly and reliably on most “as received” fasteners. They give predictable lubricity on assembly. Suitable for applications where disassembly with hand tools is required. Prevents fasteners from loosening. Typical applications include locking and sealing hydraulic line fittings, vacuum cleaner bell housing screws, hydraulic pistons nuts, rocker nuts, oil pressure switch assembly, construction equipment bolts, bulldozers track bolts, railroad bolts on wear plates, carburetor adjusting screws, and machinery keys.

Technology / Base	Polyacrylate
Type of Product	Threadlocking Adhesive
Components	One Component
Curing	Anaerobic with Secondary Heat Cure
Appearance / Color	Blue
Consistency	Thixotropic Liquid

**Features and Benefits**

- 100% Solids
- Bolt Threading Range from 1/4 to 3/4 inch (6 to 20 mm)
- Prevents Rust and Corrosion
- Excellent Resistance to Extremely Harsh Environments
- MIL (S-46163-A) Type II Grade N

Technical Data		
Physical Property	Value	Condition/Method
<b>Uncured Material Characteristics</b>		
Viscosity	1200 cPs	Brookfield at 25°C
Specific Gravity	1.05	
Flash Point	> 93°C	
Shelf Life	12 months unopened	
Storage Condition	8 to 28°C	
Full Cure Conditions	6 to 72 hours at 25°C	
<b>Cured Material Properties</b>		
Breakaway Torque	70 to 150 in-lb	ISO 10964
Prevailing Torque	30 to 100 in-lb	ISO 10964
Service Temperature	-55°C to 175°C	



## General Instructions

Surfaces to be bonded should be clean and dry and free of grease. Product should be applied in enough quantity to fill all engaged threads or gap. The product performs best in thin bond gaps. Very large gaps may create gaps that will affect the cure speed and overall strength. Good contact is essential. This product is not recommended for use in pure oxygen environments and/or oxygen-rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials. It is recommended to confirm compatibility of the product with all substrates prior to use.

## Specifications

MIL (S-46163-A) Type II Grade N

## Curing Performance

The rate of cure will depend on environmental conditions and the substrates used. The gap of the bond line will affect set speed. Smaller gaps tend to increase set speed. Activators may be applied to further improve set speed, but may also impair overall adhesive performance.

## Storage

Products should be stored unopened in a cool, dry place out of direct sunlight. Products may be refrigerated for improved shelf life, but should be brought back to room temperature before use.

## Safety and Disposal

For complete safety and handling information, please refer to the appropriate Safety Data Sheets prior to using this product.

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