# **THREADLOCKER PC 242 #2476**

Medium Strength Threadlocker

#### Features:

- Locks and seals fasteners
- Eliminates self loosening
- Seals against leakage
- Will not run off or drip
- Lubricates during assembly
- Prevents rust and corrosion from forming
- Parts can be easily separated with hand tools
- Good temperature stability
- Solvent resistant
- Conforms to MIL-S-46163A, ASTM D-5363
- Anaerobic thread locking compound

## **Description:**

THREADLOCKER PC 242 is a medium-strength, general-purpose fastener adhesive. Cures only after adhesive is confined between mating surfaces. Will withstand temperatures of up to 300°F and most solvents. Eliminates the need for stocking lock washers, plastic inserts and locks, machine access bolts and hydraulic system bolts. Locks and seals while preventing parts from loosening due to vibration. Performs well on aluminum, steel, plated fasteners, stainless steel and special alloy parts.

### **Applications:**

- Counter Sunk Screws
- Drive Shaft FastenersMachine Tool Access Bolts

Railroad Bolts on Wear Plates

- Hydraulic Prison NutsBearing Cover Cap Screws
  - Carburetor Adjusting Screws
  - Shaft Coupling Bolts
  - Conveyer Roller Bolts

## **Product Characteristics:**

**Construction Equipment** 

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Appearance:		Blue, liquid			
Odor:		Characteristic			
Vapor Pressure:		n.a. hPa			
Boiling Point/Range:		≥ 200°C (≥ 392°F)			
Melting Point/Range:		Undetermined			
Organic Solvent Content:		0.6%			
Water Content:		1.3%			
Solubility (water):		Not miscible or difficult to mix			
Solids Content:		86.5%			
Flash Point:		95°C (203°F)			
Auto-Ignition Temp:		Product is not selfigniting			
Specific Gravity:		1.00			
VOC Content:		0.64%			
		~ 6.8 g/l / ~ 0.06 lb/gal			
Viscosity @25°C, cPs,		900-1500			
Brookfield RVT, Spindle 3					
@20 rpm):					
Density at 20°C (68°F):		~ 1.07 g/cm³ (~ 8.92915 lbs/gal)			
		dry conditions. Keep container tightly			
closed	closed. Store locked up.				
Transport Information:					
Proper Shipping Name:		Not regulated			
UN Number:		Not regulated			
Class:		Not regulated			
Packing Group:		Not regulated			

- Typewriter Screws
- Rocker Nuts
- Gear Box Bolts
- Machinery Keys
- Recommended for Threaded Components under 3/4" Diameter

### **Directions:**

Ensure parts are clean, dry and free from oil and grease. Twist off white over cap and snip nozzle to desired length. Hand apply from the bottle onto threaded parts and assemble.

To remove, use hand tools.

\*Not recommended for plastics.



Signal Word: WARNING.

Personal Protective Equipment Required:



**DOT Placard:** Not regulated.





#### **Cured Product Properties:**

Fixture Time:	15-20 minutes @ 72°F		
Full Cure Time:	24 hours @ 72°F		
Shelf Life:	18 months from date of manufacture if stored at 72°F		
Temperature Range	-60°F to +300°F (-51°C to +150°C)		
Breakaway Strength	: 3/8" Plain Steel nut and bolt @ 1 hr 50-150 lbf-in		
Breakaway Strength	3/8" Plain Steel nut and bolt @ 24 hr 75-150 lbf-in		
Breakaway Strength	: 3/8" Zinc nut and bolt @ 24 hr 60-100 lbf-in		

#### **Breakaway Strength:**

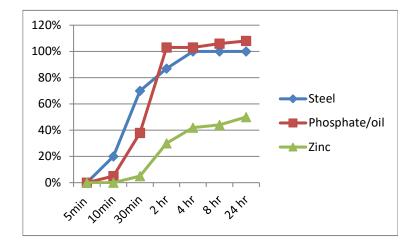
3/8" Plain Steel nut and bolt @ 1 hr	50-150 lbf-in
3/8" Plain Steel nut and bolt @ 24 hr	75-150 lbf-in
3/8" Zinc nut and bolt @ 24 hr	60-100 lbf-in

#### Environmental and Fluid Resistance: Shear strength values

Heat Age:	100%
Engine oil @ 150°C:	100%
Brake fluid @ 150°C:	100%
ATF @ 150°C:	85%
50/50 water/ethylene glycol @ 120°C:	80%
Water @ 100°C:	80%
Gasoline @ 25°C:	95%
Diesel fuel @ 25°C:	100%
Ethyl Alcohol @ 25°C:	95%

## **Cure Speed:**

The cure speed is dependent on temperature and substrate. The graph below shows the Breakaway Strength on M-10 Steel, Phosphate/Oil and Zinc finishes.



% of Full Strength:

**Cure Time:**