

RED HIGH STRENGTH THREADLOCKER PART NO. 146820

PHYSICAL PROPERTIES

Uncured

Chemical Type..... Anaerobic
Color..... Red
Viscosity @ 25°C, cP Brookfield RVT,
Spindle 3 @ 20 rpm 1200-2400
Solids..... 100%
Gap Fill010"
Corrosivity..... None
Toxicity..... Low
Specific Gravity..... 1.1
Product Conforms toMil-S-46163A,
..... ASTM D-5363, NSF

Cured

Fixture Time..... 15-20 min @ 72°F
Full Cure Time..... 24 hrs @ 72°F
Service Temperature Range -60°F to 300°F
..... -51°C to 150°C
Breakaway Strength:
3/8" Plain Steel nut and bolt @ 24hr 140-300 lb_F-in
Prevailing Torque..... 250 lb_F-in



DESCRIPTION

Dynatex® Red High Strength Threadlocker is a single component, anaerobic liquid which cures when confined in the absence of air between close fitting metal surfaces. *Dynatex® Red High Strength Threadlocker* is a high strength anaerobic threadlocking material that cures between engaged threads to form a unitized assembly that resists virtually all leakage, shock and vibration. Ideal for all 1/4 inch to 3/4 inch diameter nut and bolt assemblies where future disassembly is improbable. Provides a positive seal that resists most fluids. Prevents nuts, bolts and other fasteners from loosening due to vibration. Works in temperatures from -60°F to 300°F (-51°C to 150°C). Fixture tight in minutes. Protects against thread corrosion.

FEATURES

- Eliminates vibration issues
- Cures without cracking or shrinking
- Prevents rusting of threads
- Seals against leakage
- No mixing
- No curing outside of joint

TYPICAL APPLICATIONS

- Shock absorber bolts
- Frame bolts
- Cylinder block
- Rocker arm studs
- Ring gear bolts
- Fan hub bolts

Packaging

Colors: Red

Size: 1.8ml Bagged Bullet

CHEMICAL RESISTANCE

Shear strength values after 1000 hours.

	Typical Values
Heat age @ 150°C	100%
Engine oil @ 150°C	80%
Brake fluid @ 150°C	90%
ATF @ 150°C	85%
50/50 water/ethylene glycol @ 120°C	85%
Water @ 100°C	85%
Gasoline @ 25°C	100%
Diesel fuel @ 25°C	100%
Ethyl Alcohol @ 25°C	95%

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. The product performs best in thin bond gaps. Very large gaps may create gaps, which will affect the cure speed and overall strength. Good contact is essential. An adequate bond develops in 15 to 45 minutes and maximum strength is attained in 24 hours.

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.

This product is not designed for plastics, particularly thermoplastics where stress cracking of the plastic could result. It is recommended to confirm compatibility of the product with all substrates prior to use.

STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), *Dynatex® Red High Strength Threadlocker* has a shelf life of 12 months from date of shipment.

In Countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity. Cartons should always be stacked upright. DO NOT stack cartons on their side. **NEVER** stack cartons more than 8 high. DO NOT store within 1 meter (4 feet) of roofline of the warehouse or storage building.

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