

RED HIGH STRENGTH THREADLOCKER GEL PART NO. 146822

PHYSICAL PROPERTIES

Liquid

Resin	Modified acrylate
Color.....	Red
Viscosity.....	Gel
Fixture Speed w/Primer.....	<5
Fixture Speed w/o Primer.....	5-10 min @ 77°F
Gap Fill	0.015"
Specific Gravity)	1.1

Cured

Typical Breakaway Strength	3/8 Phos-oil
.....	150 – 300 lb-ins
Typical Prevailing Strength	3/8 Phos-oil
.....	100 – 350 lb-ins
Service Temperature Range	-65°F to 300°F
Full Cure Time.....	24 hours @ 68°F



DESCRIPTION

Dynatex® Red High Strength Threadlocker Gel is a high strength anaerobic threadlocking material, which cures between engaged threads to form a unitized assembly that resists virtually all leakage, shock and vibration. The product is a single component, anaerobic gel that cures between engaged threads to form a unitized assembly that resists virtually all leakage, shock and vibration. Ideal for all ¼ inch to 1 inch diameter nut and bolt assemblies where future disassembly is improbable. Excellent chemical resistance with a temperature resistance range of -65°F to 300°F. Fixture tight in minutes. Protects against thread corrosion.

FEATURES

- Good temperature and solvent resistance against water and non-polar solvents
- Cures rapidly on plated, oily metal surfaces or inactive surfaces
- Locks and seals fasteners from ¼" to 1"
- Non-removable, Permanent Strength

TYPICAL APPLICATIONS

- Replaces lock washers and plastic inserts
- Lock machine tool access bolts, studs and hydraulic system bolts
- Gear box bolts/drive shaft
- Counter sunk screws
- Bearing cover cap screws

Packaging

Colors: Red

Size: 6ml Tube Carded

ENVIRONMENTAL RESISTANCE

Sheer strength values after 1000 hours.

Solvent Retained	%Strength
Heat age @ 150°C	100%
Engine oil @ 150°C	100%
Brake Fluid @ 150°C	90%
ATF @ 150°C	85%
50/50 water/ethylene glycol @ 120°C	85%
Water @ 100°C	85%
Gasoline @ 25°C	95%
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.

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STORAGE AND SHELF LIFE

Dynatex® Red High Strength Threadlocker Gel should ideally be stored in a cool, dry location in unopened containers. Product can be refrigerated for improved shelf life but should be brought back to room temperature before use. DO NOT store within 1 meter (4 feet) of roofline of the warehouse of storage building. *Dynatex® Red High Strength Threadlocker Gel* has a shelf life of 12 months from date of shipment

USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

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