

BLUE MEDIUM STRENGTH GEL THREADLOCKER PART NO. 49446

PHYSICAL PROPERTIES

Monomer (Liquid)

Base Compound Dimethacrylate Ester
Color Blue Gel
Viscosity (cP @ 68°F/20°C) Thixotropic
Flash Point (TCC) >200°F
Corrosivity None
Toxicity Low
Specific Gravity (g/cc) 1.06
Shelf Life @ 40°F/4°C 1 year unopened

Polymer (Cured)

Locking Strength Medium
Service Temperature Range -75°F to 300°F
Appearance Blue solid
Full Cure Time 24 hours



DESCRIPTION

Dynatex® Blue Medium Strength Gel Threadlocker is a medium 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 when confined in the absence of air between close fitting metal surfaces. Ideal for all ¼ inch to 1 inch diameter nut and bolt assemblies. Excellent chemical resistance with a temperature resistance range of -65°F to 350°F (-54°C to 177°C). *Dynatex® Blue Medium Strength Gel Threadlocker* is easily removable with hand tools for servicing requirements. Protects against thread corrosion.

FEATURES

- Easy to use self-metering pump eliminates waste
- Easy to apply
- No drips – stays where it is applied
- No mess
- Works on bolts from ¼" to 1" (6mm-25mm)
- Easy cleanup

TYPICAL APPLICATIONS

- Cup and core plugs
- Starter mounting bolts
- Alternator mounting bolts
- Oil pan bolts
- Intake manifold bolts
- Drive shaft bolts
- Pulley bolts
- Valve cover bolts and more.....

SETTING TIME (68°F/20°C, 65% R.H.)

Substrate	Set time/Full cure
Steel	15 min/24 hrs
Brass	15 min/24 hrs
Zn Dichromate	20 min/24 hrs
Stainless Steel	20 min/24 hrs

PERFORMANCE OF CURED MATERIALS

Bond strength after 24 hours at 20°C to 25°C on steel nuts and bolts

	Average Value	Range
Breakaway Torque	70 in. lbs.	60-100 in. lbs.
Prevailing Torque	36 in. lbs.	20-40 in. lbs.

CURING PERFORMANCE

The gap of the bond line will affect set speed. Smaller gaps tend to increase the speed. Activators can be applied to improve set speed but may also impair overall adhesive performance.

CHEMICAL RESISTANCE

Sheer strength on steel after 500 hours.

Solvent	%Strength Retained
Motor Oil	100
Unleaded Gasoline	95
Trichloroethane	100
Brake Fluid	100
Ethanol	100
Acetone	100
Water/Glycol Mix	80

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

Dynatex® Blue Medium Strength Gel Threadlocker 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® Blue Medium Strength Gel Threadlocker* has a shelf life of 12 months from date of shipment

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