

### GREEN HIGH STRENGTH SLEEVELOCKER MEDIUM VISCOSITY PART NO. 49473

#### PHYSICAL PROPERTIES

##### Monomer (Liquid)

Base Compound ..... Dimethacrylate Ester  
 Color ..... Green  
 Viscosity (cP @ 68°F) ..... 500 cP  
 Flash Point (TCC) ..... >200°F  
 Gap Fill ..... .010"  
 Corrosivity ..... None  
 Toxicity ..... Low  
 Specific Gravity (g/cc) ..... 1.1  
 Shelf Life @ 40°F ..... 1 year unopened  
 Military Specifications ..... Mil-S-46082B - Type II  
 Curing Properties ..... Depends on environmental conditions and the substrates used

##### Polymer (Cured)

Locking Strength ..... Very High  
 Service Temperature Range ..... -75°F to 450°F  
 Appearance ..... Green liquid  
 Shear Strength (steel nuts and bolts) ..... 4500 psi  
 Full Cure Time ..... 24 hours

#### DESCRIPTION

**Dynatex® Green High Strength SleeveLocker** 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. Because of its low viscosity and capillary action, the product *wicks* between engaged threads and eliminates the need to disassemble, apply product and then reassemble. The high prevailing torque provides vibration resistance to adjustment screws. Ideal for all threaded engagements less than or equal to 1/2 inch in diameter. **Dynatex® Green High Strength SleeveLocker** can also fill porosity in welds, castings and powder metal parts. Excellent chemical resistance with a temperature resistance range from -65°F to 350°F (-54°C to 177°C).

#### FEATURES

- No mixing
- For use on assemblies with gaps up to 0.007" in diameter
- Restores fit to worn assemblies
- Prevents fretting and corrosion
- Allows the use of slip fit or press fit
- No curing outside of joint

#### TYPICAL APPLICATIONS

- Cylinder sleeves
- Bearings and bushings
- Woodruff keys
- Valve guides
- Valve seats
- Liner assemblies

#### 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	100 in. lbs.	50-150 in. lbs.
Prevailing Torque	300 in. lbs.	200-no limit 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.

#### SETTING TIME (68°F, 65% R.H.)

Substrate	Set time/Full cure
Steel	20-60 min/24 hrs
Aluminum	20-60 min/24 hrs

## CHEMICAL RESISTANCE

Sheer strength on steel after 500 hours.

Solvent	% Strength Retained
Motor Oil	100
Unleaded Gasoline	100
Brake Fluid	100
Ethanol	100
Acetone	100
Water/Glycol Mix	90

## 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® Green High Strength SleeveLocker* 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.

## 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.

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remedy and the supplier's sole liability is limited to refund of the purchase price or replacement of any product when to be otherwise than as warranted.

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