

Super-Weld TL-42 Threadlocker

DESCRIPTION

TL42 Medium Strength Threadlocker a general purpose Removable Medium Strength product. It will hold all metric, imperial or conventional sized nuts and bolts, meeting the requirements of over 80% of fastening applications. TL42 does not run off or drip and does not migrate after assembly. Once applied, parts slip together easily, lubricated by the adhesive.

APPLICATIONS

Replaces lock washers and plastic inserts. Locks machine tool access bolts, studs, and hydraulic system bolts. Used on gear box bolts/dri-veshaft, bearing cover cap screws, counter sunk screws, conveyor roller bolts and construction equipment.

USEFUL HINTS/NOTES

Using TL42 threadloker is easy, the product is color coded blue and once cured, it seals and vibration proofs the assembly, giving controlled breakloose and prevailing torques. Using conventional tools you can disassemble parts. When force is applied, the parts breakloose (first movement) but it will take several turns before the cured film will stop resisting the turning action, thus ensuring against accidental component disassembly.

Controlled torque tension. Easily removed with conventional tools. Thixotropic nature prevents run-off on application and migration after assemblies.

INSTRUCTIONS FOR USE

Ensure parts are clean, dry and free from oil and grease.

PROCEDURE FOR APPLICATION

Product is normally hand applied from the bottle.

COMPATIBLE ACCELERATORS/PRIMER

Primer T, or Primer N can be used. However up to 30% strength loss can occur when using primers.

STORAGE

Store in a cool area out of direct sunlight.
Shelf Life>12 month @ 68°F

TECHNICAL FEATURES

Resin: Dimethacrylate
Color: Blue
Cure Speed with Activator: <5 minutes
Cure Speed without Activator: ... 20 min @ 77°F
Viscosity (Thixotropic) 1200-5000cps
Gap Fill:005"
Flash Point: >212°F
Shelf Life: 12 months @ 68°F
Specific Gravity: 1.09 to 1.10
Max. Operating Temperature: ... -65°F to +300°F
Military Grade (Mil-46163A) Type II Grade N
(Mil-22473A) Letter Grade CW

CURED PERFORMANCE

Full Cure Time: 24 hours @ 68°F
Typical Breakaway Strength 70-150 lbs"
Typical Prevailing Strength 25-60 lbs"

PRESENTATION

Bottles: 10ml, 50ml , 250ml & 1ltr

CHEMICAL/SOLVENT RESISTANCE

(Typical values)

Solvent	Temp	%Initial strength retained	
		100 hr	500 hr.
Motor Oil	125°C	100	100
Unleaded gasoline	23°C	100	100
Leaded Gasoline	23°C	100	100
Brake Fluid	23°C	100	100
Ethanol	23°C	100	100
Acetone	23°C	100	100
1,1,1 Trichlorethane	23°C	100	100
Water/Glycol (50%/50%)	23°C	80	75

HEALTH & SAFETY IN USE

IRRITANT: Contains Methacrylate Esters and some products contain small amounts of Acrylic Acid. Irritates the eyes, the respiratory organs and the skin. In case of contact with the skin, wash immediately with plenty of water.

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TDS TL42

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