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## **FAS-LOK 42**

### ***Anaerobic Thread Locking Compound***

**FAS-LOK 42** is a fast curing, medium strength, thixotropic, anaerobic thread-locking compound for bonding and sealing threads and retaining cylindrical parts.

**FAS-LOK 42** is highly resistance to heat, vibrations, water, gases, oils, hydrocarbons and many chemicals.

### **Applications:**

- ✓ Ideal for thread locking screws and bolts from loosening under vibration.
- ✓ Ideal for fasteners diameters of up to ¾".
- ✓ Specifically suitable for applications such as adjustment of set screws and small diameter fasteners where disassembly may be required with hand tools.
- ✓ Meets Military specifications: Mil-S-46163 TYPE II Grade N.

### **Physical Properties:**

Composition:	Anaerobic Methacrylates
Color:	Blue
Viscosity:	900-5500 cps
Specific Gravity:	1.05
Maximum Diameter of Thread/Gap Filling:	1/4"/ 6 mm
Flash Point:	> 200 °C
Solvent Content:	None
Shelf Life:	72°F 2 years

### **Curing Properties:**

Handling Cure Time:	10-15 minutes
Functional Cure Time:	1-2 hours
Full Cure Time:	8-10 hours
Temperature Range	300°F
Locking Torque*	
--Break	150-200 in pounds

--Prevailing 30 - 60 in lbs.

\* Per ASTM D5363 Specification.

3/8-16 plain finish cap screws and nuts.

Larger fasteners will increase surface area and breakaway torque.

**FAS-LOK 42** meets ASTM D5363 AN0321 and Mil-S-46163 TYPE II Grade N.

### **Chemical Resistance:**

Chemical	Temp.	% Initial Strength Retained	
		500 hours	1000 hours
Acetone	22 °C	100	90
Ethanol	22 °C	100	100
Motor Oil	125 °C	100	100
Gasoline	22 °C	100	100
Brake Fluid	22 °C	100	100
Water/Glycol	87 °C	90	80

### **Application Method:**

Surfaces should be dry, clean, and free of any contamination. Thread locker should be applied to the bolt in sufficient quantity to fill threads. **FAS-LOK 42** performs the best in thin bond gaps. This thread locker is specifically formulated to give controlled friction and torque/tension ratio during assembly.

### **Storage:**

Anaerobic adhesives shall be ideally stored in a cool, dry place in unopened containers at a room temperature between 46 °F to 70 °F. Please do not return any unused material to its original container.

*The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. Heartland Adhesives, Inc. specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Heartland Adhesives, Inc. products. Heartland Adhesives, Inc. specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.*