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## **FAS-LOK 22**

### **Anaerobic Thread Locking Compound**

**FAS-LOK 22** is a fast curing, low strength, anaerobic thread-locking compound for bonding and sealing threads, and retaining of cylindrical parts.

**FAS-LOK 22** is highly resistance to heat, vibrations, water, gases, oils, hydrocarbons and many chemicals.

### **Applications:**

- Ideal for thread locking small screws from loosening under vibration.
- Ideal for fasteners diameters of 1/4" (6 mm) and smaller.
- Specifically suitable for applications such as adjustment of set screws and small diameter fasteners where easy disassembly is required.
- Meets Military specifications: MIL-S-46163 Type II Grade M

### **Physical Properties:**

Composition:	Methacrylate Ester
Color:	Purple
Viscosity:	1,200 cps Thixotropic at 25 °C
Specific Gravity:	1.05
Maximum Diameter of Thread/Gap Filling:	1/4" / 6 mm
Flash Point:	> 100 °C
Solvent Content:	None
Shelf Life @ 72°F:	2 years

### **Curing Properties:**

Handling Cure Time:	5 minutes
Functional Cure Time:	1-2 hours
Full Cure Time:	8-10 hours
Locking Torque	
--Break	50-130 inch lb's
--Prevailing	20-50 inch lb's
--Temperature Range	-55 to 150 °C

## **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 22** 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.*