

**Key Features**

- ▶ Prevent loosening and ensures a secure hold with one drop
- ▶ Available in four strengths
- ▶ Stop corrosion, seal threads, improve torque control, reduce galling, and minimize inventories
- ▶ Only cure in the absence of air (anaerobic) making cleanup of excess Threadlocker easy
- ▶ Can drive reliability up and costs down
- ▶ Provide lubricity to achieve controlled torque during assembly and operation
- ▶ Hold critical clamp load pressures under the most severe environments



8700 Display Pack

**Part Numbers**8701-10ML  
(10ml / 0.2 oz bottle)8701-50ML  
(50ml / 2 oz bottle)8702-10ML  
(10ml / 0.2 oz bottle)8702-50ML  
(50ml / 2 oz bottle)8703-10ML  
(10ml / 0.2 oz bottle)8703-50ML  
(50ml / 2 oz bottle)8704-10ML  
(10ml / 0.2 oz bottle)8704-50ML  
(50ml / 2 oz bottle)8700  
(Display Pack - 20 x 10ml)**THREADLOCKERS****8700 Series**  
TECHNICAL DATASHEET

**Threadlockers completely fill in thread paths to eliminate the movement that causes parts to shake and vibrate loose.**

**Description**

Since threaded fasteners were developed, manufacturers have been searching for the solution to vibrational loosening. The vibrational loosening of fasteners creates warranty problems, reliability issues, and unscheduled shutdown of equipment. The solution is Threadlocking.

**Threadlockers Specifications**

	8701	8702	8703	8704
Part No.	8701-10ML 8701-50ML	8702-10ML 8702-50ML	8703-10ML 8703-50ML	8704-10ML 8704-50ML
Size	10ml (0.2 oz) 50ml (2.0 oz)	10ml (0.2 oz) 50ml (2.0 oz)	10ml (0.2 oz) 50ml (2.0 oz)	10ml (0.2 oz) 50ml (2.0 oz)
Description	<ul style="list-style-type: none"> <li>▶ Low strength threadlocking</li> <li>▶ Ideal for small screws <math>\frac{1}{4}</math>" in diameter and smaller</li> <li>▶ Controlled lubricity for accurate clamp loading</li> <li>▶ May be disassembled with hand tools</li> <li>▶ Meets MIL-S-46163A, Type II, Grade M</li> </ul>	<ul style="list-style-type: none"> <li>▶ General purpose, medium strength threadlocking</li> <li>▶ Ideal for fasteners <math>\frac{3}{4}</math>" in diameter or smaller</li> <li>▶ Controlled lubricity for accurate clamp loading</li> <li>▶ May be disassembled with hand tools</li> <li>▶ Meets MIL-S-46163A, Type II, Grade N</li> </ul>	<ul style="list-style-type: none"> <li>▶ High strength permanent threadlocking</li> <li>▶ Ideal for fasteners up to 1" in diameter</li> <li>▶ Meets MIL-S-46163A, Type I, Grade K</li> </ul>	<ul style="list-style-type: none"> <li>▶ High strength wicking grade</li> <li>▶ Penetrates threads by capillary action</li> <li>▶ Ideal for sealing/locking pre-assembled fasteners</li> <li>▶ Secures screws, bolts, seals welds and porous metal parts</li> <li>▶ Meets MIL-S-46163A, Type III, Grade R</li> </ul>
Color	Purple	Blue	Red	Green
Viscosity	1200 cps MT	1200 cps MT	500 cps MT	12 cps MT
Fixture Time (min)	10	10	10	10
Working Time (hrs)	2	2	2	1
Full Cure (hrs)	8	8	8	8
Gap Filled (inches)	.01	.01	.008	.002
Specific Gravity	1.05	1.07	1.12	1.08
Toxicity	Low	Low	Low	Low
Corrosivity	None	None	None	None
<b>Liquid State</b>				
Breakaway Torque (psi)	75	150	250	150
Prevailing Torque (psi)	50	75	350	275
Shear Strength (Lb/in <sup>2</sup> )	600	800	2840-4970	2130-3550
Temp Range	-60 to 350°F	-60 to 350°F	-60 to 350°F	-60 to 350°F
Linear Expansion (mm/Degree C)	15-105	15*105	8*105	7.3*105
Hardness: Rockwell	R25	R65	M110	M89
Decomposition Temp.(°F)	410	432	486	437
<b>Cured State</b>				

Note: Values are typical and should not be used as product specification.

# Mouser Electronics

Authorized Distributor

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