

Palm Labs Adhesives TURBO-LOCK SERIES 13-OR Anaerobic Thread Locking Compound

Category : Polymer , Adhesive , Thermoset , Methacrylate , Methacrylate Adhesive

Material Notes:

TURBO-LOCK 13-OR SERIES is a RED, high temperature, high strength, permanent, oil resistant, anaerobic thread-locking compound. It is highly resistance to heat, vibrations, water, gases, oils, hydrocarbons and many chemicals. Disassembles with high heat and hand tools. Applications: Ideal for applications where the temperatures range from -65 to 450°F. Ideal for thread locking heavy duty applications such as bolts up to ¾" (20 mm) used in transmission, construction equipment or railroad assemblies, etc. Lubricated for easy assembly. Prevents loosening and leakage of threaded fasteners. Locks and seals threaded joints-nuts, screws, and studs. To disassemble, apply high heat and use tools. Part Numbers for this data: 13-000-OR, 13-001-OR, 13-010-OR, 13-050-OR, 13-250-OR, 13-1000-OR. Information provided by Palm Laboratories Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Palm-Labs-Adhesives-TURBO-LOCK-SERIES-13-OR-Anaerobic-Thread-Locking-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	
Brookfield Viscosity	3750 cP	3750 cP	RVT Spindle 3 @ 20 rpm

Mechanical Properties	Metric	English	Comments
Shear Strength	8.00 - 12.0 MPa	1160 - 1740 psi	

Thermal Properties	Metric	English	Comments
Flash Point	>= 35.0 °C	>= 95.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	60.0 - 180 min	1.00 - 3.00 hour	Functional
	1440 min	24.0 hour	Full
	19.8 - 40.2 min @Temperature -65.0 - 450 °C	0.330 - 0.670 hour @Temperature -85.0 - 842 °F	Handling
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Appearance	Red/Orange	
Chemical Resistance	100% Initial Strength Retained	Acetone at 22°C, at 500hrs

Descriptive Properties	100% Initial Strength Retained Value	Ethanol at 22°C, at 500hrs Comments
	100% Initial Strength Retained	Motor Oil at 125°C, at 500hrs
	100% Initial Strength Retained	Gasoline at 22°C, at 500hrs
	100% Initial Strength Retained	Brake Fluid at 22°C, at 500hrs
	100% Initial Strength Retained	Ethanol at 22°C, at 1000hrs
	100% Initial Strength Retained	Motor Oil at 125°C, at 1000hrs
	100% Initial Strength Retained	Gasoline at 22°C, at 1000hrs
	100% Initial Strength Retained	Brake Fluid at 22°C, at 1000hrs
	80% Initial Strength Retained	Water/Glycol at 87°C, at 1000hrs
	90% Initial Strength Retained	Water/Glycol at 87°C, at 500hrs
	90% Initial Strength Retained	Acetone at 22°C, at 1000hrs
Composition	Methacrylate Ester	
Max Screw Size	¾" / 20 mm	
Torque	25-35 N.m	Breakloose
	25-35 N.m	Locking, Break
	6-11 N.m	Locking, Prevailing

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