

Palm Labs Adhesives TURBO-LOCK SERIES 14 Anaerobic Thread Locking Compound

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

Material Notes:

TURBO-LOCK 14 SERIES is a fast curing, high strength, RED, permanent, anaerobic thread-locking compound for bonding and sealing threads. It is highly resistance to heat, vibrations, water, gases, oils, hydrocarbons and many chemicals. Disassemble with heat and tools. Applications: Ideal for fastener up to 1" (25 mm) in diameter. Transmission and engine block studs, valve sets, etc. High strength, permanent, eliminates need for double nutting and welding. Prevents corrosion / leakage Excellent performance of even oily surfaces. Fasteners on vibrating machines or moving components. Meets Military specifications: MIL-S-46163 and MIL-S-22473 Part Numbers for this data: 14-000, 14-001, 14-010, 14-050, 14-250, 14-1000 Information provided by Palm Laboratories Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Palm-Labs-Adhesives-TURBO-LOCK-SERIES-14-Anaerobic-Thread-Locking-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	
Brookfield Viscosity	500 cP	500 cP	RVT Spindle 3 @ 20 rpm

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 8.00 MPa	>= 1160 psi	ISO 10123; Compressive, Steel pins and collars

Thermal Properties	Metric	English	Comments
CTE, linear	0.800 $\mu\text{m}/\text{m}\cdot\text{°C}$	0.444 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D696
Specific Heat Capacity	0.300 J/g-°C	0.0717 BTU/lb-°F	
Thermal Conductivity	0.100 W/m-K	0.694 BTU-in/hr-ft ² -°F	ASTM C177
Flash Point	>= 37.8 °C	>= 100 °F	

Processing Properties	Metric	English	Comments
Cure Time	60.0 - 180 min	1.00 - 3.00 hour	Functional
	1440 min	24.0 hour	Full
	10.0 min	0.167 hour	Handling
@Temperature -55.0 - 150 °C	@Temperature -67.0 - 302 °F		
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Appearance	Red	
Chemical Resistance	100% Initial Strength Retained	Ethanol at 22°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	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
	95% Initial Strength Retained	Motor Oil at 125°C, at 1000hrs
	95% Initial Strength Retained	Motor Oil at 125°C, at 500hrs
	95% Initial Strength Retained	Acetone at 22°C, at 500hrs
Composition	Methacrylate Ester	
Max Screw Size	1" / 25 mm	
Torque	28 N.m	Breakaway, M10 steel nuts and bolts N.m, ISO 10964
	31 N.m	Prevail, M10 steel nuts and bolts N.m, ISO 10964
	40 N.m	Breakloose, pre-torqued to 5 N.m, M10 steel nuts and bolts, ISO 10964
	57 N.m	Max Prevail, pre-torqued to 5 N.m, M10 steel nuts and bolts N.m, ISO 10964

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China