

Palm Labs Adhesives TURBO-LOCK SERIES 11-OR Anaerobic Thread Locking Compound

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

Material Notes:

TURBO-LOCK 11-OR SERIES is a fast curing, BLUE, removable, medium strength, oil resistant, primerless, general purpose anaerobic thread-locking compound for bonding and sealing threads. It is highly resistance to heat, vibrations, water, gases, oils, hydrocarbons and many chemicals. Disassembles with hand tools. Applications: Ideal for less active materials such as stainless steel and plated parts. Ideal for thread locking plated parts, vibration or moving components. Ideal for fasteners between up to ¾" (up to 20 mm) diameters. Locks and seals threaded joints-nuts, screws, and studs with improved oil resistance. Part Numbers for this data: 11-000-OR, 11-001-OR, 11-010-OR, 11-050-OR, 11-250-OR, 11-1000-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-11-OR-Anaerobic-Thread-Locking-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	
Brookfield Viscosity	2250 cP	2250 cP	RVT Spindle 3 @ 20 rpm

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 8.00 MPa	>= 1160 psi	Steel pins and collars; ISO 10964

Thermal Properties	Metric	English	Comments
CTE, linear	0.800 µm/m-°C	0.444 µin/in-°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-ft²-°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 - 12.0 min	0.167 - 0.200 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	Blue	
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	Dimethacrylate Ester	
Max Screw Size	3/4" / 20 mm	
Torque	20 N.m	Breakaway, M10 steel nuts and bolts N.m, ISO 10964
	24 N.m	Breakloose, pre-torqued to 5 N.m, M10 steel nuts and bolts, ISO 10964
	24 N.m	Max Prevail, pre-torqued to 5 N.m, M10 steel nuts and bolts N.m, ISO 10964
	7 N.m	Prevail, 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