

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

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

Material Notes:

TURBO-LOCK 11-HT SERIES is a fast curing, BLUE, removable, medium strength, high temperature, 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 heavy duty applications including bolts used in transmissions, construction equipment or railroad assemblies where resistance to heavy vibration, shock, stress level and high temperature resistance is required.Ideal for fasteners up to ¾" (up to 20 mm) diametersPart Numbers for this data: 11-000-HT, 11-001-HT, 11-010-HT, 11-050-HT, 11-250-HT, 11-1000-HTInformation provided by Palm Laboratories Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Palm-Labs-Adhesives-TURBO-LOCK-SERIES-11-HT-Anaerobic-Thread-Locking-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	
Brookfield Viscosity	2600 cP	2600 cP	RVT Spindle 3 @ 20 rpm

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
	6.00 - 7.80 min	0.100 - 0.130 hour	Handling
	@Temperature -55.0 - 200 °C	@Temperature -67.0 - 392 °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

Descriptive Properties	100% Initial Strength Retained Value	Gasoline at 22°C, at 500hrs Comments
	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	12 N.m	Prevail, M10 steel nuts and bolts N.m, ISO 10964
	15-24 N.m	Breakloose, pre-torqued to 5 N.m, M10 steel nuts and bolts, ISO 10964
	18 N.m	Breakaway, M10 steel nuts and bolts N.m, ISO 10964
	4-9 N.m	Max Prevail, pre-torqued to 5 N.m, M10 steel nuts and bolts N.m, ISO 10964

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