

Palm Labs Adhesives TURBO-LOCK SERIES 17-ED Anaerobic Thread Locking Compound

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

Material Notes:

BEARING AND SHAFT - SERIES 17-ED is a fast curing, YELLOW, medium strength, anaerobic retaining compound for bonding, sealing and retaining of cylindrical parts. It is highly resistance to vibrations, water, gases, oils, hydrocarbons and many chemicals. Applications: Ideal to fill gaps up to 0.008" Excellent for press and slip fitting parts that need to be disassembled. Withstands working temperatures up to 300°F Retaining sleeves, pulleys, gears, rotors and fans on shafts. Mounting sleeves, securing bushings, bearings and plugs in housing. Excellent retaining and sealing compound Part Numbers for this data: 17-001-ED, 17-010-ED, 17-050-ED, 17-250-ED, 17-1000-ED Information provided by Palm Laboratories Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Palm-Labs-Adhesives-TURBO-LOCK-SERIES-17-ED-Anaerobic-Thread-Locking-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	
Brookfield Viscosity	1000 cP	1000 cP	RVT Spindle 3 @ 20 rpm

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 12.0 MPa	>= 1740 psi	ISO 10123; Compressive, Steel pins and collars
	@Temperature 22.0 °C, Time 86400 sec	@Temperature 71.6 °F, Time 24.0 hour	
	>= 16.0 MPa	>= 2320 psi	ISO 10123; Compressive, Steel pins and collars
	@Temperature 22.0 °C, Time 108000 sec	@Temperature 71.6 °F, Time 30.0 hour	

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	120 - 180 min	2.00 - 3.00 hour	Functional
	1440 min	24.0 hour	Full
	30.0 min	0.500 hour	

Processing Properties	Metric @ Temperature -55.0 - 150 °C	English @ Temperature -67.0 - 302 °F	Handling Comments
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Appearance	Yellow	
Chemical Resistance	100% Initial Strength Retained	Acetone at 22°C, at 500hrs
	100% Initial Strength Retained	Ethanol at 22°C, at 500hrs
	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	Water/Glycol at 87°C, at 500hrs
	100% Initial Strength Retained	Acetone at 22°C, at 1000hrs
	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
	95% Initial Strength Retained	Water/Glycol at 87°C, at 1000hrs
Composition	Methacrylate Esters	
Gap Fill	0.008"	

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