

Permabond MM115P Pure Anaerobic Threadlocker

Category : Polymer , Adhesive , Thermoset

Material Notes:

Permabond® MM115 PURE Threadlocker is an excellent general purpose threadlocker and sealant. It is used for locking metal bolts, nuts and screws that may require disassembly for service and maintenance. Its medium strength allows disassembly with ordinary tools. Cure is fast and reliable on steel, cadmium, zinc and other plated fasteners. Permabond MM115 PURE has been designed for use in contact with potable water. Features & Benefits: NSF/ANSI 61 Certified drinking water system component Controlled off-torque Full cure at room temperature Lubricates threads for easier assembly Provides corrosion protections Non-drip thixotropic Environmentally friendly – 100% solids Information provided by Permabond.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Permabond-MM115P-Pure-Anaerobic-Threadlocker.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	Uncured
Viscosity	1300 cP @Temperature 25.0 °C	1300 cP @Temperature 77.0 °F	at 20 rpm vibration
Storage Temperature	5.00 - 25.0 °C	41.0 - 77.0 °F	

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	10.0 MPa	1450 psi	steel collar and pin shear; ISO 10123

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C	50.0 µin/in-°F	
Thermal Conductivity	0.190 W/m-K	1.32 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	149 °C	300 °F	
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.0 kV/mm	279 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	4.98 min @Temperature 23.0 °C	0.0830 hour @Temperature 73.4 °F	Brass, handling strength
	10.2 min	0.170 hour	M10 steel, handling strength

Processing Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
	15.0 min	0.250 hour	Zinc, handling strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	30.0 min	0.500 hour	Brass, working strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	30.0 min	0.500 hour	M10 steel, working strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	60.0 min	1.00 hour	Zinc, working strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	360 min	6.00 hour	Zinc, full strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	360 min	6.00 hour	M10 steel, full strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Appearance	Colorless to Light Amber	Uncured
Maximum Gap Fill (mm)	0.15	
Strength Retention	20% at 150°C	Relative to 0°C
	70% at 100°C	Relative to 0°C
	90% at 50°C	Relative to 0°C
Torque Strength (N m)	16	M10 steel, break
	7	M10 steel, prevail
UV Fluorescence	No	Uncured

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