

Permabond LH056 Anaerobic Threadsealant

Category : Polymer , Adhesive , Thermoset , Acrylic/Cyanoacrylate Adhesive

Material Notes:

Permabond LH056 is a thread sealant designed for use in sealing metal pipes and fittings in sprinkler systems which may also contain CPVC piping. Permabond LH056 prevents leaks even on pipes that are not completely seated. This anaerobically curing thread sealant forms an instant seal. Once fully cured, the seal will generally surpass the burst rating of most piping systems. In addition, it locks the pipes, plugs, or fittings against vibration loosening, tampering, and variable temperature effects. Permabond LH056 is FBCTM System Compatible. Features & Benefits: Instant pressure seal Seals to burst rating of pipe Slow curing – allows accurate adjustment Information provided by Permabond.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Permabond-LH056-Anaerobic-Threadsealant.php

Physical Properties	Metric	English	Comments
Viscosity	90000 - 150000 cP	90000 - 150000 cP	Uncured
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Storage Temperature	5.00 - 25.0 °C	41.0 - 77.0 °F	

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	

Processing Properties	Metric	English	Comments
Cure Time	30.0 - 60.0 min	0.500 - 1.00 hour	brass, fixture time
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	60.0 - 120 min	1.00 - 2.00 hour	black iron, fixture time
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1440 min	24.0 hour	full strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Appearance	White	Uncured
Maximum Gap Fill (mm)	0.5	
Strength Retention	50% at 150°C	Relative to 0°C
	80% at 100°C	Relative to 0°C

Descriptive Properties	Value 50°C	Comments 0°C
Torque Strength (N m)	3	M10 steel, prevail
	6	M10 steel, break

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