

Permabond LH150 Anaerobic Threadsealant

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

Material Notes:

Permabond® LH150 Pipe Sealant with PTFE is designed for sealing and locking tapered metal pipe threads and fittings. It is ideal for stainless steel and other passive metals. Instant sealing of up to 1000 psi is achieved upon limited hand tightening. After cure, the sealing capability is up to the burst rating on the typical pipe. The low locking strength allows easy disassembly. UL Classification: Permabond LH150 is classified by Underwriters Laboratories Inc. ® for use in devices handling gasoline, petroleum oils, and natural gas (pressure not over 100 psig) propane and butane not exceeding 2 in. Features & Benefits: Full cure seal to the burst rating of pipe Easy to use and apply Directional freedom Does not contain solvents Excellent chemical and temperature resistance Cures at room temperature Will not shred, tear or cause blockages Information provided by Permabond.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Permabond-LH150-Anaerobic-Threadsealant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	Uncured
Viscosity	260000 cP @Temperature 25.0 °C	260000 cP @Temperature 77.0 °F	Uncured
Storage Temperature	5.00 - 25.0 °C	41.0 - 77.0 °F	

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	7.00 MPa	1020 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-ft²-°F	
Maximum Service Temperature, Air	177 °C	350 °F	
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	60.0 min @Temperature 23.0 °C	1.00 hour @Temperature 73.4 °F	Brass, handling strength
	60.0 min @Temperature 23.0 °C	1.00 hour @Temperature 73.4 °F	Zinc, handling strength
	120 min	2.00 hour	

Processing Properties	Metric @ Temperature 23.0 °C	English @ Temperature 73.4 °F	M10 steel handling strength Comments
	180 min @Temperature 23.0 °C	3.00 hour @Temperature 73.4 °F	Stainless steel, handling strength
	180 - 360 min @Temperature 23.0 °C	3.00 - 6.00 hour @Temperature 73.4 °F	Brass, working strength
	180 - 360 min @Temperature 23.0 °C	3.00 - 6.00 hour @Temperature 73.4 °F	M10 steel, working strength
	360 min @Temperature 23.0 °C	6.00 hour @Temperature 73.4 °F	Zinc, working strength
	1440 min @Temperature 23.0 °C	24.0 hour @Temperature 73.4 °F	M10 steel, full strength
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Appearance	White	Uncured
Maximum Gap Fill (mm)	0.5	
Strength Retention	20% at 200°C	Relative to 0°C
	60% at 150°C	Relative to 0°C
	85% at 100°C	Relative to 0°C
	93% at 50°C	Relative to 0°C
Torque Strength (N m)	3	M10 steel, prevail
	6	M10 steel, break

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