

Permabond HL126 Anaerobic Threadlocker

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

Material Notes:

PERMABOND® HL126 Threadlocker is a water thin product for locking pre-assembled parts through wicking action. PERMABOND® HL126 Threadlocker prevents vibration loosening. Because of the low viscosity an additional use is the sealing of weld porosity; the uncured material penetrates the micro pores before curing. PERMABOND® HL126 Threadlocker cures reliably and fast on most metallic surfaces. Features & Benefits: Prevents vibration loosening Controlled off-torque Full cure at room temperature Can be applied post assembly Ideal for sealing weld porosity Superior environmental resistance Environmentally friendly – 100% solids Information provided by Permabond.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Permabond-HL126-Anaerobic-Threadlocker.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	Uncured
Viscosity	10 - 30 cP	10 - 30 cP	Uncured
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Storage Temperature	5.00 - 25.0 °C	41.0 - 77.0 °F	

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	10.0 - 20.0 MPa	1450 - 2900 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	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	0.0830 hour	Brass, handling strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	15.0 min	0.250 hour	M10 steel, handling strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Processing Properties	Metric	English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	Brass, working strength
	60.0 min	1.00 hour	Aluminum, handling strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	60.0 - 180 min	1.00 - 3.00 hour	M10 steel, working strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	360 min	6.00 hour	Stainless steel, handling strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1440 min	24.0 hour	Aluminum, working strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1440 min	24.0 hour	M10 steel, full strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Appearance	Green	Uncured
Maximum Gap Fill (mm)	0.05	
Maximum Thread Size	M10	
Strength Retention	50% at 150°C	Relative to 0°C
	80% at 100°C	Relative to 0°C
	93% at 50°C	Relative to 0°C
Torque Strength (N m)	14	M10 steel, break
	34	M10 steel, prevail

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