

Permabond MH199 Anaerobic Gasketmaker

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

Material Notes:

Permabond® MH199 is an anaerobic material designed for making "formed in situ" gaskets between metal surfaces. It is capable of replacing a wide range of conventional gaskets, thereby offering potential for reduced stock holdings. By allowing surface to surface contact, load transmission can be improved. As the product does not shrink, creep or relax after curing, no bolt re-tightening is required. It has excellent chemical and high temperature resistance up to 200°C. Features & Benefits: Replaces all sizes of formed gaskets Does not creep or shrink Good high pressure resistance High temperature resistance No shimming effect Information provided by Permabond.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Permabond-MH199-Anaerobic-Gasketmaker.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	Uncured
Viscosity	75000 cP	75000 cP	at 20 rpm vibration
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	225000 cP	225000 cP	at 2 rpm vibration
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	8.00 MPa	1160 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	199 °C	390 °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	30.0 min	0.500 hour	M10 steel, handling strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	60.0 min	1.00 hour	

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

Descriptive Properties	Value	Comments
Appearance	Red	Uncured
Maximum Gap Fill (mm)	0.5	
Strength Retention	20% at 250°C	Relative to 0°C
	70% at 200°C	Relative to 0°C
	85% at 150°C	Relative to 0°C
	93% at 100°C	Relative to 0°C
	98% at 50°C	Relative to 0°C
Torque Strength (N m)	12	M10 steel, prevail
	20	M10 steel, break
UV Fluorescence	Yes	Uncured

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