

Devcon Wear Guard (High Temp) Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

Abrasion-Resistant SystemComments: PuttyData provided by Ellsworth Adhesives.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Devcon-Wear-Guard-High-Temp-Epoxy.php

Physical Properties	Metric	English	Comments
Density	1.83 g/cc	0.0662 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	87	87	ASTM D2240
Tensile Strength, Ultimate	31.7 MPa	4600 psi	ASTM D638
Modulus of Elasticity	5.86 GPa	850 ksi	In Tension; ASTM D638
Flexural Yield Strength	56.7 MPa	8220 psi	ASTM D790
Compressive Yield Strength	91.0 MPa	13200 psi	ASTM D695
Adhesive Bond Strength	15.9 MPa	2300 psi	Adhesive tensile shear strength; ASTM D1002

Thermal Properties	Metric	English	Comments
CTE, linear	49.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	27.2 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.895 W/m-K	6.20 BTU-in/hr-ft ² -°F	ASTM C177
Maximum Service Temperature, Air	232 °C	450 °F	Operating Temperature
Shrinkage	0.10 %	0.10 %	During Cure; ASTM D2566

Electrical Properties	Metric	English	Comments
Dielectric Constant	38	38	ASTM D150
Dielectric Strength	12.2 kV/mm	310 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Processing Temperature	21.1 °C	70.0 °F	
Pot Life	120 min	120 min	

Processing Properties	@Temperature 23.9 °C Metric	@Temperature 75.0 °F English	Comments
Descriptive Properties	Value		Comments
Coverage per lb.	60 in ²		at 1/4 inch thick
Mix Ratio by Volume	6 to 1		resin:hardener
Mix Ratio By Weight	13.7 to 1		resin:hardener

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