

Aremco Aremco-Bond™ 2200 High Performance Epoxide

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

Glass Fiber- and Kevlar-Reinforced, Epoxy-Novolac; High Strength, Excellent Abrasion and Corrosion Resistance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Aremco-Bond-2200-High-Performance-Epoxide.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	
Flexural Strength	92.4 MPa	13400 psi	ASTM D790
Shear Strength	16.5 MPa	2400 psi	ASTM D1002-94

Thermal Properties	Metric	English	Comments
CTE, linear	34.2 $\mu\text{m}/\text{m}\cdot\text{°C}$	19.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	204 °C	400 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Shrinkage	0.90 %	0.90 %	Cure Shrinkage

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Dielectric Constant	4.7	4.7	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	18.1 kV/mm	460 kV/in	
Dissipation Factor	0.010	0.010	

Processing Properties	Metric	English	Comments
Cure Time	240 min	4.00 hour	Alternate Cure
	@Temperature 175 °C	@Temperature 347 °F	
	1440 - 2880 min	24.0 - 48.0 hour	

Processing Properties	Metric @ Temperature 23.0 °C	English @ Temperature 73.4 °F	Recommended Cure Comments
Pot Life	42.0 min @ Temperature 25.0 °C	42.0 min @ Temperature 77.0 °F	100 gm mass

Descriptive Properties	Value	Comments
Chemical Resistance	Good	
Color	Rust Brown	
Mix Ratio By Weight	1:1	resin:hardener
Viscosity	Paste	

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