

Aremco Aremco-Bond™ 2210 High Performance Epoxide

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

Aluminum and Ceramic-Filled, Vibration and Impact Resistant, for Repairing Aluminum Mold and Wear Surfaces.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Aremco-Bond-2210-High-Performance-Epoxye.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	89	89	
Flexural Strength	97.2 MPa	14100 psi	ASTM D790
Shear Strength	17.9 MPa	2600 psi	ASTM D1002-94

Thermal Properties	Metric	English	Comments
CTE, linear	27.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	15.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	1.59 W/m-K	11.0 BTU-in/hr-ft ² - °F	
Maximum Service Temperature, Air	204 °C	400 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Shrinkage	0.50 %	0.50 %	Cure Shrinkage

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	
Dielectric Constant	6.5	6.5	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	16.5 kV/mm	420 kV/in	
Dissipation Factor	0.090	0.090	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Alternate Cure
	@Temperature 93.3 °C	@Temperature 200 °F	

Processing Properties	Metric	English	Comments
	2880 min	8.0 hour	Recommended Cure
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Pot Life	60.0 min	60.0 min	100 gm mass
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Chemical Resistance	Good	
Color	Gray	
Mix Ratio By Weight	100:11	resin:hardener
Viscosity	Paste	

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