

Aremco Aremco-Bond™ 2300 High Performance Epoxide

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

Milky Clear, 10:1, Low Viscosity, Exceptional Bond Strength.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Aremco-Bond-2300-High-Performance-Epoxye.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	
Viscosity	5000 cP	5000 cP	Mixed Viscosity

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	
Flexural Strength	93.1 MPa	13500 psi	ASTM D790
Shear Strength	31.4 MPa	4560 psi	ASTM D1002-94

Thermal Properties	Metric	English	Comments
CTE, linear	66.6 $\mu\text{m}/\text{m}\cdot\text{°C}$	37.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	177 °C	350 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Shrinkage	0.30 %	0.30 %	Cure Shrinkage

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Dielectric Constant	3.5	3.5	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	15.0 kV/mm	380 kV/in	
Dissipation Factor	0.0080	0.0080	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Cure
	@Temperature 65.6 °C	@Temperature 150 °F	

Processing Properties	Metric _{in}	English _{ur}	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	Alternate Cure
Pot Life	45.0 min @Temperature 25.0 °C	45.0 min @Temperature 77.0 °F	100 gm mass

Descriptive Properties	Value	Comments
Chemical Resistance	Very Good	
Color	Milky Clear	
Mix Ratio By Weight	100:10	resin:hardener

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