

Aremco Aremco-Bond™ 2320 High Performance Epoxide

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

Material Notes:

Toughened, Unfilled, Fast-Setting, BPA Free, 2:1, High Peel & Shear Strength

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Aremco-Bond-2320-High-Performance-Epoxy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	
Viscosity	35000 cP	35000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	78	78	
Shear Strength	33.09 MPa	4800 psi	ASTM D1002-94

Thermal Properties	Metric	English	Comments
CTE, linear	59.4 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	33.0 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
Maximum Service Temperature, Air	121 $^{\circ}\text{C}$	250 $^{\circ}\text{F}$	
Minimum Service Temperature, Air	-55.0 $^{\circ}\text{C}$	-67.0 $^{\circ}\text{F}$	
Shrinkage	0.00100 %	0.00100 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+14 ohm-cm	2.00e+14 ohm-cm	
Dielectric Strength	43.3 kV/mm	1100 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	alternate cure
	@Temperature 93.3 $^{\circ}\text{C}$	@Temperature 200 $^{\circ}\text{F}$	
	1440 - 2880 min	24.0 - 48.0 hour	recommended cure
	@Temperature 79.4 $^{\circ}\text{C}$	@Temperature 175 $^{\circ}\text{F}$	
Pot Life	60.0 min	60.0 min	100 gm mass
	@Temperature 25.0 $^{\circ}\text{C}$	@Temperature 77.0 $^{\circ}\text{F}$	

Descriptive Properties	Value	Comments
Chemical Resistance	Good	
Color	Off-White	
Mix Ratio	2:1	

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