

Aremco Aremco-Bond™ 2340 High Temperature Epoxide Potting Compound

Category : Polymer , Thermoset , Epoxy , Epoxy, High Temperature

Material Notes:

High Temperature, Low Viscosity, Low Expansion, High Glass Transition Temperature & Chemical Resistance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Aremco-Bond-2340-High-Temperature-Epoxy-Potting-Compound.php

Physical Properties	Metric	English	Comments
Density	1.75 g/cc	0.0632 lb/in ³	
Viscosity	39000 cP	39000 cP	Mixed
Linear Mold Shrinkage	0.00340 cm/cm	0.00340 in/in	cure shrinkage

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90.0	90.0	
Flexural Strength	95.1 MPa	13800 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	16.2 µm/m-°C	9.00 µin/in-°F	
Maximum Service Temperature, Air	221 °C	430 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.80e+15 ohm-cm	3.80e+15 ohm-cm	
Dielectric Constant	4.30	4.30	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	18.1 kV/mm	460 kV/in	
Dissipation Factor	0.00400	0.00400	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Step 1 of recommended 2 step cure
	@Temperature 79.4 °C	@Temperature 175 °F	
	120 min	2.00 hour	Step 2 of recommended 2 step cure
	@Temperature 149 °C	@Temperature 300 °F	

Processing Properties	Metric	English	Comments
	@Temperature 121 °C	@Temperature 250 °F	Alternate
Pot Life	>= 240 min	>= 240 min	100 g mass
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Chemical Resistance	Excellent	
Color	Black	
Mix Ratio	100:10	

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