

Aremco Aremco-Bond™ 855 Epoxy Adhesive (discontinued **)

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

Material Notes:

High performance epoxy for specialty bonding and potting applications to 350°F (175°C). Can be applied to a myriad of substrates, offering exceptional chemical, electrical, and mechanical properties. General purpose, low viscosity, electrical potting compound. Low shrinkage and excellent dimensional stability.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Aremco-Bond-855-Epoxy-Adhesive-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in ³	
Viscosity	6000 cP	6000 cP	mix viscosity

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	7.00 MPa	1020 psi	Per ASTM D1002-94; shear strength of single lap-joint metal coupons in tension loading.

Thermal Properties	Metric	English	Comments
CTE, linear	39.6 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	22.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.650 W/m-K	4.51 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	180 °C	356 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	4.00e+14 ohm-cm	4.00e+14 ohm-cm	
Dielectric Constant	4.52	4.52	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	18.0 kV/mm	457 kV/in	
Dissipation Factor	0.010	0.010	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

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