

Aremco Aremco-Bond™ 570 High Performance Epoxide

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

Aremco-Bond 570 is a contact adhesive. Apply .015" to each part, allow solvents to flash for 20 minutes, then clamp parts together for curing. Single-Part Contact Adhesive, Excellent Flexibility

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Aremco-Bond-570-High-Performance-Epoxye.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	
Viscosity	35000 cP	35000 cP	Mixed Viscosity

Mechanical Properties	Metric	English	Comments
Shear Strength	14.5 MPa	2100 psi	ASTM D1002-94

Thermal Properties	Metric	English	Comments
CTE, linear	86.4 $\mu\text{m/m-}^{\circ}\text{C}$	48.0 $\mu\text{in/in-}^{\circ}\text{F}$	
	@Temperature 20.0 $^{\circ}\text{C}$	@Temperature 68.0 $^{\circ}\text{F}$	
Maximum Service Temperature, Air	316 $^{\circ}\text{C}$	600 $^{\circ}\text{F}$	
Minimum Service Temperature, Air	-60.0 $^{\circ}\text{C}$	-76.0 $^{\circ}\text{F}$	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	
Dielectric Strength	11.8 kV/mm	300 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	48.0 min	0.800 hour	0.3 hrs at 180°F; 0.5 hrs at 350°F (Recommended Cure)
	1470 min	24.5 hour	24 hrs at RT; 0.5 hrs at 350°F (Alternate Cure)

Descriptive Properties	Value	Comments
Chemical Resistance	Excellent	
Color	Black	

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