

Atom Adhesives AA-BOND 2110 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AA-BOND 2110 is a thixotropic epoxy resin and hardener formulation developed for industrial adhesive, staking, laminating, repair and manufacturing applications where long pot-life, good wetting, nonsag, non-drip and improved impact strength properties are required. AA-BOND 2110 is easy-to-use two parts adhesive system contains no volatile solvents, readily cures at room temperature, and bonds to most materials including glass and glass fabrics, ceramics, wood, leather, most metals, and many plastics. AA-BOND 2110 is strong, tough, resilient, has superior mechanical impact and thermal shock resistance characteristics, and is also highly resistant to weather, water, gases and vapors, most petroleum products and fuels, salts, mild acids and alkalis, and many other organic and inorganic compounds. Appearance: Hazy off white Cure Type: Heat cure or Room Temperature Benefits: High impact strength Good wetting Long pot life Mix Ratio by weight: 100:30/Resin:Hardener Substrates: Staking components, bonding, laminating, repair applications, metals, glass, ceramics, wood and many plastics Typical Application: PCB components, aerospace, anything where superior properties are required Information provided by Atom Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-2110-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	mixed, uncured
Viscosity	60000 cP	60000 cP	Uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Adhesive Bond Strength	21.4 MPa	3100 psi	
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	30.5 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	16.9 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
Maximum Service Temperature, Air	100 $^\circ\text{C}$	212 $^\circ\text{F}$	
Minimum Service Temperature, Air	-70.0 $^\circ\text{C}$	-94.0 $^\circ\text{F}$	

Electrical Properties	Metric	English	Comments
Volume Resistivity	280 ohm-cm	280 ohm-cm	
	@Temperature 80.0 $^\circ\text{C}$	@Temperature 176 $^\circ\text{F}$	
Dielectric Constant	4.7	4.7	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Electrical Properties	Metric	English	Comments
Dielectric Strength	16.9 kV/mm	432 kV/in	
Dissipation Factor	0.010	0.010	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.31	0.31	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	480 min	8.00 hour	4 hrs @ 25°C + 4 hrs @ 65°C
	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	4320 min	72.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	60.0 min	60.0 min	100 grams, uncured

Descriptive Properties	Value	Comments
Thixotropic Index	6.6	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China