

Atom Adhesives AA-BOND 2104 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AA-BOND 2104 is a thixotropic epoxy system recommended for critical electronics, aerospace and industrial bonding, laminating and reinforcing applications requiring an adhesive with high-fill, non-sag characteristic. AA-BOND 2104 solvent-free adhesive is easily mixed and used for staking components to printed circuit boards for enhanced mechanical rigidity, and for bonding, laminating and repair applications involving metals, glass, ceramics, wood and many plastics. AA-BOND 2104 hardens to a tough, enamel-like coating offering good chemical resistance as well as superior physical and mechanical properties. AA-BOND 2104 provides good electrical insulation and resistance to weather, galvanic action, petroleum products and lubricants, alcohol, salts, mild acids and alkalis, and other organic and inorganic compounds. Appearance: Milky, Translucent Cure Type: Heat cure or Room Temperature Benefits: Great for aerospace applications Great for reinforcing applications Bonds to many substrates Mix Ratio by weight: 100:22/Resin:Hardener Substrates: metals, glass, ceramics, wood and many plastics Typical Application: PCB components, aerospace, anything where superior properties are required, staking components, bonding, laminating, repair applications Information provided by Atom Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-2104-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	uncured
Solids Content	100 %	100 %	uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	
Izod Impact, Notched	0.400 J/cm	0.750 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	55.1 $\mu\text{m/m-}^{\circ}\text{C}$	30.6 $\mu\text{in/in-}^{\circ}\text{F}$	
Maximum Service Temperature, Air	125 $^{\circ}\text{C}$	257 $^{\circ}\text{F}$	
Minimum Service Temperature, Air	-60.0 $^{\circ}\text{C}$	-76.0 $^{\circ}\text{F}$	

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.00e+13 ohm-cm	6.00e+13 ohm-cm	
	1.00e+10 ohm-cm	1.00e+10 ohm-cm	
	@Temperature 100 $^{\circ}\text{C}$	@Temperature 212 $^{\circ}\text{F}$	
Dielectric Constant	4.6	4.6	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Electrical Properties	Metric	English	Comments
<i>Dielectric Strength</i>	<i>16.1 kV/mm</i>	<i>412 kV/in</i>	
Dissipation Factor	0.010	0.010	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	240 min	4.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	30.0 min	30.0 min	uncured
Shelf Life	12.0 Month	12.0 Month	uncured

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