

Atom Adhesives AA-BOND 2101 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AA-BOND 2101 is a clear medium viscosity epoxy formulation recommended for laminating, bonding, repair and other adhesive applications where the combination of superior structural, mechanical and electrical performance properties are required. AA-BOND 2101 easily mixes and cures at room temperature, and develops strong, durable, tough bonds to most clean, dry material surfaces. The fully cured AA-BOND 2101 bonds are great electrical insulators which also provide excellent resistance to weather, galvanic action, many mild acids and alkalis, salt solution, petroleum solvents, lubricating oil, gasoline, jet fuels, alcohol, and many other organic and inorganic materials. Appearance: Slight haze/Clear Cure Type: Heat cure or Room Temperature Benefits: Resistant to many organic/inorganic Strong bond strength Durable Mix Ratio by weight: 100:25/Resin:Hardener Substrates: Metals, ceramics, glass, glass fabrics, wood leather and rigid plastics Typical Application: Laminating, bonding, repair and other adhesive applications where the combination of superior structural, mechanical and electrical performance properties are required. Information provided by Atom Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-2101-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	mixed, uncured
Solids Content	100 %	100 %	uncured
Viscosity	17500 - 19500 cP	17500 - 19500 cP	Uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84	84	
Adhesive Bond Strength	20.7 MPa	3000 psi	Alum to Alum
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	62.0 °C	144 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.00e+15 ohm-cm	6.00e+15 ohm-cm	
	5.00e+9 ohm-cm	5.00e+9 ohm-cm	
	@Temperature 100 °C	@Temperature 212 °F	
Dielectric Constant	4.3	4.3	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Dielectric Strength Electrical Properties	14.6 kV/mm Metric	370 kV/in English	Comments
Dissipation Factor	0.020 @Frequency 1000 Hz	0.020 @Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	240 min @Temperature 65.0 °C	4.00 hour @Temperature 149 °F	
	1440 min @Temperature 25.0 °C	24.0 hour @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