

Atom Adhesives AA-BOND 2113 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AA-BOND 2113 is a clear, low viscosity epoxy adhesive system that contains no solvents, cures at room temperature, has excellent flow ability and wetting characteristics, and adheres strongly to glass, ceramics, most metals and many plastics. AA-BOND 2113 is particularly recommended for assembly and repair work of fiber optic and other high performance electronic and aerospace systems and components, and for structural laminating applications where an initial low viscosity and near transparent "color" are needed. AA-BOND 2113 is a good electrical insulator, provides excellent resistance to weather, galvanic action, salt solutions and many other chemicals including mild acid and alkalis, petroleum solvents, lubricating oils, jet fuels and gasoline, and alcohol. Appearance: Clear, transparent Cure Type: Heat cure or Room Temperature Benefits: Good wetting Solvent free Excellent flowability Adheres strongly to numerous substrates Mix Ratio by weight: 100:11/Resin:Hardener Substrates: Ceramics, glass to glass, fabrics, metals, laminates and other composite materials Typical Application: assembly and repair work of fiber optic and other high performance electronic and aerospace systems and components structural laminating applications where an initial low viscosity and near transparent "color" are needed. Information provided by Atom Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-2113-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	
Solids Content	100 %	100 %	
Viscosity	300 cP	300 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	
Adhesive Bond Strength	15.2 MPa	2200 psi	
Izod Impact, Notched	0.128 J/cm	0.240 ft-lb/in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.00e+13 ohm-cm	6.00e+13 ohm-cm	
Dielectric Constant	4.2	4.2	
Dielectric Strength	16.1 kV/mm	410 kV/in	
Dissipation Factor	0.020	0.020	

Processing Properties	Metric	English	Comments
Cure Time	240 min	4.00 hour	

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

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