

Atom Adhesives AA-BOND 201 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AA-BOND 201 is an exceptional epoxy formulation recommended for lower temperature or wet industrial bonding applications where FAST CURING is required. AA-BOND 201 is versatile two-part epoxy system contains no solvents, mixes easily at room temperature, and is suitable for high performance structural bonding applications where the combination of very fast room temperature curing coupled with low shrinkage and excellent mechanical and electrical properties is needed. AA-BOND 201 develops strong, tough bonds to metals, plastics, glass and glass fabrics, hardboards and forestry products, ceramics, rubber, masonry materials, and other construction materials. AA-BOND 201 is an excellent electrical insulator, and provides superior resistance to vapors and gases, water, galvanic action, petroleum fuels, salt solutions, and many other organic and inorganic compounds. AA-BOND 201 develops significant properties 1 hour after mixing. However, an extended cure of 4-6 hours at 25°C is required for fully matured bonds. Appearance: Hazy, light straw Cure Type: Heat cure or Room Temperature Benefits: Resistant to many organic/inorganics Strong bond strength Great electrical insulator Durable Mix Ratio by weight: 100:93/Resin:Hardener Substrates: Metals, ceramics, glass, glass fabrics, wood leather, rigid plastics, marble, stone, rock, concrete, sheetrock, plaster, cement and tile. Typical Application: Anything requiring the unique properties this adhesive offers Information provided by Atom Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-201-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	mixed, uncured
Solids Content	100 %	100 %	uncured
Viscosity	3600 cP	3600 cP	Uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	25	25	
Adhesive Bond Strength	1.38 MPa	200 psi	
Izod Impact, Notched	1.01 J/cm	1.90 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	59.9 $\mu\text{m}/\text{m}\cdot\text{°C}$	33.3 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Maximum Service Temperature, Air	115 °C	239 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	25.0 °C	77.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+11 ohm-cm	5.00e+11 ohm-cm	
Dielectric Constant	4.8	4.8	
Dielectric Strength	16.1 kV/mm	410 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
	30.0 min	0.500 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
Pot Life	120 min	2.00 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	3.00 min	3.00 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