

Atom Adhesives AA-BOND F131 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AA-BOND F131 is two parts fiber-optic adhesive used for terminating ALL types of fiber-optic connectors as well as LED displays, lenses and other optical components. AA-BOND F131 produces a typical Tg of 95 °C thus meeting specification requirements of connector's manufacturers. AA-BOND F131 is two part, low viscosity system can be cured at room temperature or as fast as 15 minutes at 90

°C. Appearance: Clear Cure Type: Heat cure or Room Temperature Benefits: Low viscosity Mix Ratio by weight: 100:30/Resin:Hardener

Typical Application: ALL types of fiber-optic connectors as well as LED displays, lenses and other optical components. Information provided by Atom Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-F131-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	uncured
Viscosity	1600 - 2000 cP	1600 - 2000 cP	uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	77	77	
Shear Strength	24.8 MPa	3600 psi	Lap, Alum to Alum
Izod Impact, Notched	0.117 J/cm	0.220 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 °C	248 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	95.0 °C	203 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	1 drop applications
	@Temperature 90.0 °C	@Temperature 194 °F	
	60.0 min	1.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	

Processing Properties	1080 min Metric	18.0 hour English	Comments
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Shelf Life	12.0 Month	12.0 Month	uncured

Descriptive Properties	Value	Comments
Thixotropic Index	1	

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