

Tra-Con Tra-Bond F131 High Tg Room Temperature Cure Fiber Optic Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND F131 is a fiber-optic adhesive used for terminating ALL types of fiber-optic connectors as well as LED displays, lenses and other optical components. It produces a typical Tg of 95°C thus meeting specification requirements of Bellcore and connector manufacturers.

This two-part, low viscosity system can be cured at room temperature overnight or as fast as 15 minutes at 65°C. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-F131-High-Tg-Room-Temperature-Cure-Fiber-Optic-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	Mixed
Viscosity	1800 cP @Temperature 25.0 °C	1800 cP @Temperature 77.0 °F	After mixing

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	78	78	
Adhesive Bond Strength	25.5 MPa	3700 psi	Lap shear, 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	Ultimate Tg

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 @Temperature 90.0 °C	0.250 hour @Temperature 194 °F	1 drop applications
	60.0 min @Temperature 65.0 °C	1.00 hour @Temperature 149 °F	
	1080 min	18.0 hour	

Processing Properties	Metric	English	Comments
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@ Temperature 25.0 °C

@ Temperature 77.0 °F

Descriptive Properties	Value	Comments
Color	Clear	Mixed
Mix Ratio, parts by weight	100/30	Resin/Hardener
Thixotropic Index	1	

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