

Tra-Con Tra-Bond JL01 High Viscosity High Temperature Fiber Optic Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND JL01 is a high viscosity, two-component epoxy formulation that is suggested for bonding fiber optic bundles, potting glass fibers, and terminating single or multi-channel fiber optic connectors. The unique color change of this material ensures proper mixing and curing. TRA-BOND JL01 develops strong, tough, mechanically stable bonds to a wide variety of fiber optic and optical materials that includes most metals, ceramics, glass and many plastics. It has good impact and thermal shock resistance, and yields excellent low stress, pot-and-polish connections that do not piston during cycle tests. It is also resistance to water and weathering, vapors and gases, most petroleum products, and an extended range of organic and inorganic environments. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-JL01-High-Viscosity-High-Temperature-Fiber-Optic-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	80000 cP @Temperature 25.0 °C	80000 cP @Temperature 77.0 °F	Mixed (rv #7, 10 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	86	86	30 min @ 150°C
Adhesive Bond Strength	26.2 MPa	3800 psi	Lap shear, alum to alum, 15 min @ 100°C
	26.2 MPa	3800 psi	Lap shear, alum to alum, 30 min @ 150°C

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	120 °C	248 °F	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	15.0 min @Temperature 100 °C	0.250 hour @Temperature 212 °F	
	30.0 min @Temperature 150 °C	0.500 hour @Temperature 302 °F	
Pot Life	40 min	40 min	

Descriptive Properties	Value	Comments
Color	Brown	Cured
Thixotropic Index	4	1 rpm/10 rpm

Descriptive Properties	Value	Comments
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