

Tra-Con Tra-Bond 526M02 High Tg Fiber Optic Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND 526M02 is a two-part, low viscosity epoxy system that was developed specifically for fiber optic applications. This material is recommended for bonding fiber optic bundles, potting glass fibers, and termination of fiber optic connectors. After the required high temperature cure, this material exhibits a glass transition temperature in excess of 150°C. TRA-BOND 526M02 forms strong, mechanically stable bonds to substrates common to the fiber optics industry including most metals and plastics, glass, and ceramic. The fully cured material is also resistant to many vapors and gases, most petroleum products, and a variety 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-526M02-High-Tg-Fiber-Optic-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	5900 cP @Temperature 25.0 °C	5900 cP @Temperature 77.0 °F	After mixing

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	89	89	
Adhesive Bond Strength	11.6 MPa	1680 psi	Lap shear, alum to alum, 10 min @ 140°C

Thermal Properties	Metric	English	Comments
CTE, linear	75.0 µm/m-°C	41.7 µin/in-°F	Below Tg
	195 µm/m-°C	108 µin/in-°F	Above Tg
Glass Transition Temp, Tg	151 °C	304 °F	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	
	@Temperature 140 °C	@Temperature 284 °F	

Descriptive Properties	Value	Comments
Color	Clear	Mixed
	Red-Amber	Cured
Thixotropic Index	1	

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