

Tra-Con Tra-Bond 516H02 Fiber Optic Adhesive

Category : Polymer , Adhesive , Thermoset , Filled/Reinforced Thermoset

Material Notes:

TRA-BOND 516H02 is a low viscosity, room temperature or low temperature curing fiber optic adhesive with good stress relief, high adhesion, and low shrinkage upon cure. TRA-BOND 516H02 contains very fine filler (< 1 micron) for low CTE and aids in maintaining fiber alignment. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-516H02-Fiber-Optic-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	Cured
Viscosity	4000 cP	4000 cP	Mixed (cp #40, 2.5 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	81	81	Overnight @ RT
Adhesive Bond Strength	26.9 MPa	3900 psi	Lap shear, alum to alum, 1 hr @ 65°C

Thermal Properties	Metric	English	Comments
CTE, linear	48.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	26.7 $\mu\text{in}/\text{in}\cdot\text{°F}$	Alpha 1
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Glass Transition Temp, Tg	50.0 °C	122 °F	Ultimate Tg; TMA

Processing Properties	Metric	English	Comments
Cure Time	1440 - 2160 min	24.0 - 36.0 hour	At RT
	60.0 min	1.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
Pot Life	180 - 240 min	3.00 - 4.00 hour	
	@Temperature 40.0 °C	@Temperature 104 °F	

Descriptive Properties	Value	Comments
Color	Clear	Hardener
	Tan	Resin

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