

Tra-Con Tra-Bond GA47-2LV Instrument Adhesive

Category : Polymer , Adhesive , Thermoset

Material Notes:

TRA-BOND GA47-2LV low viscosity adhesive is designed for guidance instrument applications. This adhesive exhibits excellent compatibility with conventional gyro flotation fluids. TRA-BOND GA47-2LV adhesive has a coefficient of thermal expansion that approximates that of aluminum, within normal temperature range. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-GA47-2LV-Instrument-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.10 g/cc	2.10 g/cc	Mixed
Viscosity	50000 cP	50000 cP	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	
Adhesive Bond Strength	13.8 MPa	2000 psi	Lap shear, alum to alum

Thermal Properties	Metric	English	Comments
CTE, linear	25.0 $\mu\text{m/m-}^{\circ}\text{C}$	13.9 $\mu\text{in/in-}^{\circ}\text{F}$	Below Tg
Glass Transition Temp, Tg	95.0 $^{\circ}\text{C}$	203 $^{\circ}\text{F}$	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 95.0 $^{\circ}\text{C}$	@Temperature 203 $^{\circ}\text{F}$	
	240 min	4.00 hour	
	@Temperature 75.0 $^{\circ}\text{C}$	@Temperature 167 $^{\circ}\text{F}$	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature -40.0 $^{\circ}\text{C}$	@Temperature -40.0 $^{\circ}\text{F}$	

Descriptive Properties	Value	Comments
Color	Green	
Working Life minutes	30	At 25 $^{\circ}\text{C}$

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