

Tra-Con Tra-Bond 9059D Rigid Unfilled Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND 9059D rigid, unfilled epoxy adhesive exhibits good dimensional stability for gyro applications. This material is a blue-green color. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-9059D-Rigid-Unfilled-Epoxy-Adhesive.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	
Adhesive Bond Strength	13.8 MPa	2000 psi	Lap shear, alum to alum, @ 25°C

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	50.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	Above Tg
	340 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	189 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	Below Tg
Glass Transition Temp, Tg	80.0 °C	176 °F	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 100 °C	@Temperature 212 °F	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Descriptive Properties	Value	Comments
Color	Blue-Green	
Weight Loss %	0.9	At 300°C
Working Life hours	1	

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