

Tra-Con Tra-Bond 789-3TN1 Moisture Resistant Adhesive

Category : Polymer , Adhesive , Thermoset

Material Notes:

TRA-BOND 789-3TN1 adhesive is a thixotropic version of TRA-BOND 789-3. It is a one component, high strength, toughened adhesive designed for use in applications which require good moisture resistance. TRA-BOND 789-3TN1 adhesive exhibits excellent bond strength to difficult-to-bond metals, such as gold and silver. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-789-3TN1-Moisture-Resistant-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	37000 cP	37000 cP	After mixing
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	34.5 MPa	5000 psi	Lap shear, alum to alum, @ 25°C

Thermal Properties	Metric	English	Comments
CTE, linear	63.0 µm/m-°C	35.0 µin/in-°F	Below Tg
	140 µm/m-°C	77.8 µin/in-°F	Above Tg
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	126 °C	259 °F	Ultimate Tg

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+14 ohm-cm	2.00e+14 ohm-cm	
Dielectric Constant	4.2	4.2	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	31.5 kV/mm	800 kV/in	
Dissipation Factor	0.011	0.011	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	

Processing Properties	@Temperature 150 °C Metric	@Temperature 302 °F English	Comments
	60.0 min	1.00 hour	
	@Temperature 125 °C	@Temperature 257 °F	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Descriptive Properties	Value	Comments
Weight Loss %	0.28	At 250°C

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