

## Tra-Con Tra-Bond 789-3T3N1 Moisture Resistant Adhesive

Category : Polymer , Adhesive , Thermoset

### Material Notes:

TRA-BOND 789-3T3N1 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. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Bond-789-3T3N1-Moisture-Resistant-Adhesive.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-789-3T3N1-Moisture-Resistant-Adhesive.php)

Physical Properties	Metric	English	Comments
Viscosity	210000 cP @Temperature 25.0 °C	210000 cP @Temperature 77.0 °F	Mixed (cp #52, 2.5 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	87	87	4 hrs @ 93°C
Adhesive Bond Strength	30.0 MPa	4350 psi	Lap shear, alum to alum, 30 min @ 150°C

Thermal Properties	Metric	English	Comments
CTE, linear	68.5 µm/m-°C @Temperature 25.0 - 65.0 °C	38.1 µin/in-°F @Temperature 77.0 - 149 °F	Alpha 1
	195 µm/m-°C @Temperature 150 - 190 °C	108 µin/in-°F @Temperature 302 - 374 °F	Alpha 2
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	120 °C	248 °F	Ultimate Tg; TMA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.60e+15 ohm-cm @Temperature 100 °C	1.60e+15 ohm-cm @Temperature 212 °F	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min @Temperature 150 °C	0.500 hour @Temperature 302 °F	

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

Descriptive Properties	Value	Comments
Color	Blue	
Thixotropic Index	4.1	0.5 rpm/5 rpm; cp #52

## Contact Songhan Plastic Technology Co.,Ltd.

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