

Tra-Con Tra-Bond 2170 Flexible Plastic Bonder

Category : Polymer , Adhesive , Thermoset

Material Notes:

TRA-BOND 2170 is a flexible thixotropic bonding adhesive designed for bonding all types of plastics including nylon, PVC, polyethylene, acrylic, lexan, polypropylene, kapton or almost any thermoplastic substrate. TRA-BOND 2170 is low viscosity and easy to apply. It has an easy 1:1 mix ratio and can be cured at room temperature. This high technology system was formulated for applications in the automotive, medical, aerospace, photonic and assembly industries and can be used anywhere that requires excellent chemical fastening to plastic parts. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-2170-Flexible-Plastic-Bonder.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	Mixed
Solids Content	100 %	100 %	Reactive Solids Content
Viscosity	3500 cP @Temperature 25.0 °C	3500 cP @Temperature 77.0 °F	After mixing

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	
Adhesive Bond Strength	17.2 MPa	2500 psi	Lap shear, alum to alum

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	115 °C	239 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	10.0 °C	50.0 °F	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	60.0 min @Temperature 65.0 °C	1.00 hour @Temperature 149 °F	
	1440 min @Temperature 25.0 °C	24.0 hour @Temperature 77.0 °F	
Pot Life	60 min	60 min	

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
Mix Ratio, parts by weight	100/100	Resin/Hardener

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