

Tra-Con Tra-Bond 2143G Medium Viscosity Polyamide Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND 2143G is a medium viscosity adhesive recommended for industrial bonding and sealing applications where toughness, impact resistance, and superior mechanical properties are required. This two-part adhesive is easily mixed and cured at room temperature, and develops strong bonds to most clean, dry material surfaces including most metals, rigid plastics, glass, ceramics, leather, rubber, wood and concrete. Fully cured TRA-BOND 2143G bonds offer good low-temperature electrical, mechanical, and impact resistant properties, superior thermal shock resistance, low permeability to gases and vapors, good dimensional stability, and resistance to water, weather, oxygen and ozone, most petroleum products, mild acids and alkalis, and many other chemicals. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-2143G-Medium-Viscosity-Polyamide-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	Mixed
Solids Content	100 %	100 %	Reactive Solids Content
Viscosity	24000 cP @Temperature 25.0 °C	24000 cP @Temperature 77.0 °F	After mixing

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	80.0 °C	176 °F	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	240 min @Temperature 65.0 °C	4.00 hour @Temperature 149 °F	
	1440 min @Temperature 25.0 °C	24.0 hour @Temperature 77.0 °F	
Pot Life	60 min	60 min	25 grams
	120 min	120 min	100 grams

Descriptive Properties	Value	Comments
Color	Amber	
Mix Ratio, parts by weight	150/100	Resin/Hardener
Thixotropic Index	1	
Working Life hours	3	100 grams

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