

Tra-Con Tra-Bond FS411 Fast Cure Epoxy Adhesive System

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND FS-411 is an exceptional epoxy formulation recommended for lower temperature or wet industrial bonding applications where FAST CURING is required. It was designed to have low outgassing in vacuum applications. This versatile two-part epoxy system contains no solvents, mixes easily at room temperature, and is suitable for high performance structural bonding applications. It develops strong, tough bonds to metals, plastics, glass and glass fabrics, hardboards and forestry products, ceramics, rubber, masonry materials, and other construction materials. When fully cured, TRA-BOND FS- 411 is an excellent electrical insulator, and provides superior moisture resistance. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-FS411-Fast-Cure-Epoxy-Adhesive-System.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	Cured
Viscosity	14000 cP	14000 cP	Hardener
	430000 cP	430000 cP	Resin

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	2 hrs @ 65°C
	80	80	24 hrs @ 25°C
Adhesive Bond Strength	28.3 MPa	4100 psi	Lap shear, alum to alum, 24 hrs @ 25°C
	31.0 MPa	4500 psi	Lap shear, alum to alum, 2 hrs @ 65°C

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	30.0 °C	86.0 °F	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	10 min	10 min	

Descriptive Properties	Value	Comments
Color	Milky, Translucent	

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