

Tra-Con Tra-Bond 216H02 Opaque Black Epoxy Casting Compound

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-CAST 216H02 is a medium viscosity two-part formulation recommended for general purpose electrical potting and encapsulation applications where the combination of good mechanical thermal and electrical properties are required. It is opaque in coating applications when the applied thickness exceeds 0.2mm. It is an all liquid system with excellent flow and wetting characteristics, exhibits superior adhesion to glass, ceramics, most metals, many plastics (includes potting shells) and other electronic materials, contains no solvents and is easily mixed, handled and cured with minimum shrinkage at room temperatures. The fully cured TRA-CAST 216H02 is an electrical insulator with good impact and thermal shock resistance. It is further resistant to water, weather, gases, galvanic action, petroleum fuels and solvents, alcohol, salts and many acids and alkalis. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-216H02-Opaque-Black-Epoxy-Casting-Compound.php

Physical Properties	Metric	English	Comments
Viscosity	12000 cP @Temperature 25.0 °C	12000 cP @Temperature 77.0 °F	Mixed (sp #7, 10 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	87	87	24 hrs @ 25°C
Adhesive Bond Strength	7.58 MPa	1100 psi	Lap shear, alum to alum, 24 hrs @ 25°C

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	75.0 °C	167 °F	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	1440 min @Temperature 25.0 °C	24.0 hour @Temperature 77.0 °F	
Pot Life	17 min	17 min	35 grams

Descriptive Properties	Value	Comments
Color	Black	Resin/Mixed/Cured
	Light Yellow	Hardener
Working Life minutes	50	35 grams

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