

Tra-Con Tra-Cast FS330 Fire Retardant Long Pot Life Epoxy Casting Compound

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy, Thermally Conductive

Material Notes:

TRA-CAST FS330 is a low viscosity, long pot life, thermally conductive casting compound which passes UL 94 V-0. It is recommended for rigid potting, laminating, transformer encapsulating, filament winding and coil embedding applications where a desirable combination of superior mechanical and electrical properties plus fire retardancy and room temperature curing is required. This easy-to-use epoxy system has a low coefficient of thermal expansion, and exhibits excellent wetting and adhesion to most electronic and aerospace-industry materials (metals, glass products, ceramics, industrial laminates and many rigid plastics). Fully cured TRA-CAST FS330 is a durable electrical insulator, dimensionally stable over a wide temperature range, and is resistant to moisture, gases petroleum lubricants and fuels, salts, many mild acids and alkalis, and other organic and inorganic compounds. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Cast-FS330-Fire-Retardant-Long-Pot-Life-Epoxy-Casting-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	Mixed
Solids Content	100 %	100 %	Reactive Solids Content
Viscosity	4000 cP @Temperature 25.0 °C	4000 cP @Temperature 77.0 °F	After mixing

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	78	78	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	360 min	6.00 hour	4 hrs @ 25°C + 2 hrs @ 65°C
	1440 min @Temperature 25.0 °C	24.0 hour @Temperature 77.0 °F	
Pot Life	180 min	180 min	

Descriptive Properties	Value	Comments
Color	Black	

Mix Ratio, parts by weight
Descriptive Properties

100/15
Value

Resin/Hardener
Comments

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