



20-3242FR FLAME RETARDANT NON-THERMALLY CONDUCTIVE EPOXY RESIN

DESCRIPTION:

20-3242FR is a two-component potting and encapsulating epoxy. This product has excellent electrical insulation properties and moisture resistance. 20-3242FR is available in black (P/N 20-3242RFRBK) and yellow (P/N 20-3242RFRYE). Both color versions meet the stringent requirements of UL 94 V-0.

20-3242FR may be used as a potting and encapsulating compound for capacitors, power supplies and other electronic components. It is an excellent choice for thermal insulation applications that require flame resistance.

TYPICAL PROPERTIES:

Viscosity, cps, 25°C	
20-3242FR Resin	15,000
Cat. 150	100
Mixed	1,500
Available Colors	Yellow, Black
Hardness, Shore D	85
Operating Temperature Range, °C	-35 to +135
Pot Life	75 Minutes
Mix Ratio (Resin:Catalyst)	
By Weight	100:20
By Volume	100:30
Specific Gravity, 25°C	
20-3242FR Resin	1.52
Cat. 150	0.945
Dielectric Strength, V/mil	460
Dielectric Constant, 100 Hz	4.51
Volume Resistivity, ohm-cm	3.99×10^{14}
Thermal Conductivity, W/m·°K	0.43



INSTRUCTIONS FOR USE:

1. By weight, thoroughly mix 100 parts 20-3242RFRBK or 20-3242RFRYE to 20 parts Cat.150. By volume mix according to ratio above.
2. Degas, pour, and cure according to one of the following schedules:
 - a) 25°C 24 hours
 - b) 45°C 4 – 6 hours
 - c) 65°C 1 – 2 hours

STORAGE, HANDLING, & SAFETY:

Store both components at 25 °C. The expected shelf life is 12 months in original closed containers.

Please read the Safety Data Sheet before using this or any other chemical.

AVAILABILITY:

This product is available in gallons and 5-gallon pails.

IMPORTANT:

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09/2024