



# 50-3116 RESIN

## DESCRIPTION:

50-3116 thermally conductive flexible epoxy formulation is designed for applications that require low stress during cure and electrical insulation.

50-3116 is a low viscosity system that is most commonly used for potting and encapsulating power supplies, transformers, regulators, motors, capacitors, batteries, coils etc. This system is excellent in applications that require a compound to remain flexible for long term aging. This system has a low peak exotherm, making it ideal for large castings.

The 50-3116 resin and catalyst is sold in convenient quart kits, gallon kits, 5 gallon pails, and 55 gallon drums. This system is also available in premixed and frozen syringes.

## TYPICAL SPECIFICATIONS:

Color	Black
Mix Viscosity @ 25°C, cps	
Resin	13,100
Catalyst	400
Mixed	10,200
Pot Life, 100 gram mass @ 25°C	3 Hrs.
Specific Gravity, 25°C	1.54
Hardness, Shore A	80
Operating Temp. Range, °C	-70 to +150
Dielectric Strength, V/mil	480
Dielectric Constant at 60 Hz	3.8
Volume Resistivity, ohm cm at 25°C	$1.5 \times 10^{15}$
Dissipation Factor, 60 Hz	.015
Thermal Conductivity, W/m- °K	1.01

## INSTRUCTIONS FOR USE:

1. Agitate 50-3116 Resin thoroughly to re-disperse fillers. Some settling during transit or storage is common.
2. Mix 100 parts 50-3116 Resin to 5.4 parts 50-3116 Catalyst by weight
3. Cure at room temperature 24 hours or for 2-4 hours at 65°C.

## IMPORTANT:

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