

Epoxies, Ect. 50-3150 FR

Epoxy; Epoxide

Epoxies, Etc.

Message:

50-3150 FR has been formulated to meet the stringent non-burning requirements of UL94 V-0. 50-3150 FR Black Epoxy with Catalyst 190 and Catalyst 30 are listed with Underwriter's Laboratory for passing UL94 V-0. This system offers excellent heat transfer, low shrinkage, and outstanding insulation properties.

50-3150FR with Catalyst 30 has a UL (746B) Relative Temperature Index (RTI) rating of 130°C.

50-3150FR Black with Catalyst 190 passes NASA's outgassing requirements per ASTM E595-07.

Typical applications for 50-3150 FR include encapsulating power supplies, transformers, coils, insulators, sensors, etc... This system is an excellent choice for applications requiring high thermal conductivity and flame retardancy.

General Information		
Features	Flame Retardant	
	Low Shrinkage	
	Thermally Conductive	
Uses	Insulation	
Appearance	Black	
Processing Method	Encapsulating	
Physical	Nominal Value	Unit
Molding Shrinkage - Flow	0.20	%
Thermal	Nominal Value	Unit
CLTE - Flow	1.4E-5	cm/cm/°C
Thermal Conductivity	2.2	W/m/K
Heat Distortion	155	°C
Operating Temperature	-60.0 to 200	°C
	.5% TML	
Outgassing	.01% CVCm	
Uncured Properties	Nominal Value	Unit
Color	Black	
Density (25°C)	1.60	g/cm³
Viscosity ¹ (25°C)	60	Pa · s
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	90	
Tensile Strength	67.9	MPa
Compression Strength	103	MPa
Electric Strength	19	kV/mm
Relative Permittivity (60 Hz)	5.60	
Volume Resistivity (25°C)	1.5E+15	ohms · cm

Dissipation Factor (60 Hz)	0.015
----------------------------	-------

NOTE

1. Part A

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

