

Thermoset Plastics 311

Epoxy; Epoxide

Thermoset, Lord Chemical Products

Message:

Thermoset Plastics 311 is an Epoxy; Epoxide (Epoxy) material filled with filler. It is available in North America for casting or encapsulating.

Important attributes of Thermoset Plastics 311 are:

Heat Resistant

Insulating

Rigid

Typical application of Thermoset Plastics 311: Wire & Cable

General Information	
Filler / Reinforcement	Filler
Features	Electrically Insulating
	Good Thermal Shock Resistance
	Semi Rigid
Uses	Electronic Insulation
Appearance	Black
Forms	Pellets
Processing Method	Casting
	Encapsulating

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.26	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	77		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.9	MPa	ASTM D638
Tensile Elongation (Yield)	65	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.0E+15	ohms · cm	ASTM D257
Dielectric Constant (1 MHz)	4.20		ASTM D150
Dissipation Factor (1 MHz)	0.017		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 1.0		
Resin	Mix Ratio by Weight: 1.0		
Thermoset Mix Viscosity (25°C)	20000	cP	ASTM D2393

Demold Time (121°C)	120	min
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Recommended distributors for this material

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