

Thermoset Plastics 351

Epoxy; Epoxide

Thermoset, Lord Chemical Products

Message:

Thermoset Plastics 351 is an Epoxy; Epoxide (Epoxy) material filled with filler. It is available in North America for casting or encapsulating.

Important attributes of Thermoset Plastics 351 are:

Good Flexibility

Heat Resistant

Insulating

Typical application of Thermoset Plastics 351: Wire & Cable

General Information			
Filler / Reinforcement	Filler		
Features	Electrically Insulating		
	Good Flexibility		
	Good Thermal Shock Resistance		
Uses	Electronic Insulation		
Appearance	Cream		
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)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.2	MPa	ASTM D638
Tensile Elongation (Yield)	45	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+15	ohms · cm	ASTM D257
Dielectric Constant (1 MHz)	4.30		ASTM D150
Dissipation Factor (1 MHz)	0.028		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 3.0		
Resin	Mix Ratio by Weight: 2.0		
Thermoset Mix Viscosity (25°C)	45000	cP	ASTM D2393

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

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