

Thermoset Plastics 322

Epoxy; Epoxide

Thermoset, Lord Chemical Products

Message:

Thermoset Plastics 322 is an Epoxy; Epoxide (Epoxy) material filled with filler. It is available in North America for casting or encapsulating.

Important attributes of Thermoset Plastics 322 are:

Heat Resistant

Insulating

Rigid

Typical application of Thermoset Plastics 322: Wire & Cable

General Information			
Filler / Reinforcement	Filler		
Features	Electrically Insulating		
	Good Thermal Shock Resistance		
	Low Exotherm		
	Semi Rigid		
Uses	Electronic Insulation		
Appearance	Black		
Forms	Pellets		
Processing Method	Casting		
	Encapsulating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.47	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	13.9	MPa	ASTM D638
Tensile Elongation (Yield)	27	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	96	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dielectric Constant (1 MHz)	4.50		ASTM D150
Dissipation Factor (1 MHz)	0.029		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)	11000	cP	ASTM D2393
Demold Time (25°C)	1400	min	

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Recommended distributors for this material

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