

Thermoset Plastics 310

Epoxy; Epoxide

Thermoset, Lord Chemical Products

Message:

Thermoset Plastics 310 is an Epoxy; Epoxide (Epoxy) material. It is available in North America for casting or encapsulating.

Important attributes of Thermoset Plastics 310 are:

Good Toughness

Heat Resistant

Insulating

Rigid

Typical application of Thermoset Plastics 310: Wire & Cable

General Information			
Features	Electrically Insulating		
	Good Thermal Shock Resistance		
	Good Toughness		
	Semi Rigid		
Uses	Electronic Insulation		
Appearance	Black		
Forms	Pellets		
Processing Method	Casting		
	Encapsulating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	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)	17.2	MPa	ASTM D638
Tensile Elongation (Yield)	82	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	130	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	6.0E+15	ohms · cm	ASTM D257
Dielectric Constant (1 MHz)	3.80		ASTM D150
Dissipation Factor (1 MHz)	0.018		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)	2700	cP	ASTM D2393
Demold Time (121°C)	120	min	

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Recommended distributors for this material

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