

# Thermoset Plastics EP-356

Epoxy; Epoxide

Thermoset, Lord Chemical Products

## Message:

Thermoset Plastics EP-356 is an Epoxy; Epoxide (Epoxy) material. It is available in North America for casting or encapsulating.

Important attributes of Thermoset Plastics EP-356 are:

Flame Rated

Insulating

Typical application of Thermoset Plastics EP-356: Wire & Cable

General Information	
Features	Electrically Insulating
Uses	Electronic Insulation
Appearance	Grey
Forms	Pellets
Processing Method	Casting Encapsulating

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.14	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.4	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	19	J/m	ASTM D256

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	7.0E+15	ohms · cm	ASTM D257
Dielectric Constant (1 MHz)	4.20		ASTM D150
Dissipation Factor (1 MHz)	0.028		ASTM D150

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

Thermoset	Nominal Value	Unit	Test Method
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Thermoset Components			
Hardener	Mix Ratio by Weight: 10		
Resin	Mix Ratio by Weight: 100		
Thermoset Mix Viscosity (25°C)	14000	cP	ASTM D2393
Demold Time (25°C)	1400	min	

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Recommended distributors for this material

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