

Thermoset Plastics 321

Epoxy; Epoxide

Thermoset, Lord Chemical Products

Message:

Thermoset Plastics 321 is an Epoxy; Epoxide (Epoxy) material. It is available in North America for casting or encapsulating.

Important attributes of Thermoset Plastics 321 are:

Insulating

Rigid

Typical application of Thermoset Plastics 321: Wire & Cable

General Information	
Features	Electrically Insulating
	Low Exotherm
	Semi Rigid
Uses	Electronic Insulation
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Casting
	Encapsulating

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.85	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.9	MPa	ASTM D638
Tensile Elongation (Yield)	55	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	130	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dielectric Constant (1 MHz)	4.20		ASTM D150
Dissipation Factor (1 MHz)	0.021		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)	3000	cP	ASTM D2393
Demold Time (25°C)	1400	min	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

