

# Thermoset Plastics 302

Epoxy; Epoxide

Thermoset, Lord Chemical Products

## Message:

Thermoset Plastics 302 is an Epoxy; Epoxide (Epoxy) material. It is available in North America for casting or encapsulating.

Important attributes of Thermoset Plastics 302 are:

Heat Resistant

Insulating

Low Viscosity

Typical application of Thermoset Plastics 302: Wire & Cable

General Information	
Features	Electrically Insulating
	Good Thermal Stability
	Low Viscosity
Uses	Electronic Insulation
Appearance	Black
Forms	Pellets
Processing Method	Casting
	Encapsulating

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.16	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	44.8	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	20	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+15	ohms · cm	ASTM D257
Dielectric Constant (1 MHz)	4.20		ASTM D150
Dissipation Factor (1 MHz)	0.024		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 7.0		
Resin	Mix Ratio by Weight: 100		
Thermoset Mix Viscosity (25°C)	3500	cP	ASTM D2393
Demold Time (25°C)	1400	min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

