

Thermoset Plastics UR-105

Polyurethane

Thermoset, Lord Chemical Products

Message:

Thermoset Plastics UR-105 is a Polyurethane material. It is available in North America for potting.

Important attributes of Thermoset Plastics UR-105 are:

Good Flexibility

Good Toughness

Insulating

Wear Resistant

Typical application of Thermoset Plastics UR-105: Wire & Cable

General Information			
Features	Electrically Insulating		
	Good Abrasion Resistance		
	Good Toughness		
	Low Temperature Flexibility		
Uses	Electronic Insulation		
Appearance	Black		
Forms	Pellets		
Processing Method	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.18	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	25		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	0.827	MPa	ASTM D638
Tensile Elongation (Yield)	130	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1700	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+16	ohms · cm	ASTM D257
Dielectric Constant (1 MHz)	3.20		ASTM D150
Dissipation Factor (1 MHz)	0.029		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 9.0		
Resin	Mix Ratio by Weight: 100		
Thermoset Mix Viscosity (25°C)	1500	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

