

# Magnobond 3503

Epoxy; Epoxide  
Magnolia Plastics, Inc.

Message:

Magnobond 3503 is an Epoxy; Epoxide (Epoxy) product. It can be processed by encapsulating and is available in North America. Typical application: Electrical/Electronic Applications. Primary characteristic: heat resistant.

General Information			
Features	Good Electrical Properties		
	Good Thermal Shock Resistance		
Uses	Electrical/Electronic Applications		
Forms	Liquid		
Processing Method	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)	85		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity	0.63	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+16	ohms	ASTM D257
Volume Resistivity	7.0E+15	ohms · cm	ASTM D257
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Weight: 100		
Pot Life (25°C)	360	min	
Shelf Life	26	wk	
Thermoset Mix Viscosity	40000	cP	ASTM D2393

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