

# Magnobond 111-047

Epoxy; Epoxide  
Magnolia Plastics, Inc.

Message:

Magnobond 111-047 is an Epoxy; Epoxide (Epoxy) product. It can be processed by potting and is available in North America. Typical application: Electrical/Electronic Applications.  
Characteristics include:  
Good Flexibility  
Heat Resistant

General Information			
Features	Good Flexibility		
	Good Thermal Shock Resistance		
Uses	Electrical/Electronic Applications		
Appearance	Green		
Forms	Liquid		
Processing Method	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.51	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	35		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity	0.084	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.8E+14	ohms · cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.96		ASTM D150
Dissipation Factor (1 MHz)	0.017		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 1.0		
Resin	Mix Ratio by Weight: 1.0		
Pot Life (25°C)	5800	min	
Thermoset Mix Viscosity	1600	cP	ASTM D2393
Demold Time (127°C)	60 to 120	min	

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