

# Magnobond 3102

Epoxy; Epoxide  
Magnolia Plastics, Inc.

Message:

Magnobond 3102 is an Epoxy; Epoxide (Epoxy) product. It is available in North America. Typical application: Sealing Applications.  
Characteristics include:  
Flame Rated  
Flame Retardant  
Moisture Resistant

General Information			
UL YellowCard	E83708-251204		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Electrical Properties		
	Moisture Resistant		
Uses	Sealants		
UL File Number	E83708		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm³	ASTM D792
Water Absorption (24 hr)	0.24	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	88		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity	0.54	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm, WT, YL, BL)	V-0		UL 94
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Resin	Mix Ratio by Weight: 14, Mix Ratio by Volume: 9.3		
Pot Life (25°C)	60 to 65	min	
Shelf Life	26	wk	
Thermoset Mix Viscosity	1600	cP	ASTM D2393
Demold Time			
25°C	480 to 720	min	

85°C	10 to 20	min
100°C	5.0 to 10	min

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