

# Sumitomo Epoxy EM 7302XLD

Epoxy; Epoxide

Sumitomo Bakelite North America, Inc.

## Message:

EM 7302XLD is a long fiberglass reinforced epoxy molding compound with a low density inert filler. This compound is designed for applications where moderate strength and weight savings are desirable.

General Information			
Filler / Reinforcement	Filler		
	Long Glass Fiber		
Appearance	Natural Color		
Forms	Flakes		
Processing Method	Compression Molding		
	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15 to 1.25	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.20	%	ASTM D955
Water Absorption - 48 hr (50°C)	0.90	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	48.0	MPa	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength (Break)	103	MPa	ASTM D790
Compressive Strength	166	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	> 280	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	9.8	kV/mm	ASTM D149
Dielectric Constant <sup>1</sup> (1 MHz)	2.80		ASTM D150
Dissipation Factor <sup>2</sup> (1 MHz)	0.026		ASTM D150
Arc Resistance	120	sec	ASTM D495
NOTE			
1.	Wet		
2.	Wet		

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