

Sumitomo Epoxy EM 7302LD-2

Epoxy; Epoxide

Sumitomo Bakelite North America, Inc.

Message:

EM 7302LD-2 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		
Features	Low Density		
	Medium Strength		
Appearance	Natural Color		
Forms	Flakes		
Processing Method	Compression Molding		
	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20 to 1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow (Compression Molded)	0.14	%	ASTM D955
Water Absorption - 48 hr (50°C)	0.29	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	76.0	MPa	ASTM D638
Flexural Modulus (Compression Molded)	17200	MPa	ASTM D790
Flexural Strength (Break)	213	MPa	ASTM D790
Compressive Strength	190	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	1200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, Compression Molded)	> 280	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	9.3	kV/mm	ASTM D149
Dielectric Constant ¹ (1 MHz)	2.80		ASTM D2520
Dissipation Factor ² (1 MHz)	0.017		ASTM D150
Arc Resistance	120	sec	ASTM D495
NOTE			

1.	Wet
2.	Wet

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