

# Sumitomo Phenolic GF 8202 L12

Phenolic

SBHPP

Message:

GF 8202 L12 is a fiberglass reinforced modified phenolic novolac molding compound, with 12 mm chop length. This compound features superior strength properties.

General Information	
Filler / Reinforcement	Glass fiber reinforced material
Features	Good strength
Agency Ratings	EC 1907/2006 (REACH)
	EU 2006/122/EC
RoHS Compliance	RoHS compliance
Appearance	Black
Forms	Chopped Strand
Processing Method	Resin transfer molding
	Compression molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm <sup>3</sup>	ASTM D792
Apparent Density	0.30	g/cm <sup>3</sup>	ASTM D1895
Molding Shrinkage - Flow	< 0.10	%	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Water Absorption - 48 hr	0.20	%	ASTM D570
Post Shrinkage		%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
E scale	105		ASTM D785
Class m	120		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	120	MPa	ASTM D638
Flexural Modulus	22000	MPa	ASTM D790
Flexural Strength	260	MPa	ASTM D790
Compressive Strength	320	MPa	ASTM D695

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	900	J/m	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	> 282	°C	ASTM D648A

Electrical	Nominal Value	Unit	Test Method
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Dielectric Strength <sup>1</sup>			ASTM D149
-- <sup>2</sup>	12	kV/mm	ASTM D149
-- <sup>3</sup>	10	kV/mm	ASTM D149
NOTE			
1.	Dry, 60 Hz		
2.	Method A (short time)		
3.	Method B (step by step)		

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#### Recommended distributors for this material

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