

# Sumitomo Phenolic GF 8202 L24

Phenolic  
SBHPP

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## Technical Data

### Product Description

GF 8202 L24 is a fiberglass reinforced modified phenolic novolac molding compound, with 24 mm chop length. This compound features superior strength properties.

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>
Search for UL Yellow Card	• <a href="#">SBHPP</a>
Availability	• North America
Filler / Reinforcement	• Glass Fiber
Features	• Good Strength
Agency Ratings	• EC 1907/2006 (REACH) • EU 2006/122/EC
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Chopped Strand
Processing Method	• Compression Molding • Resin Transfer 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	< 0.10 %	ASTM D955

Mechanical	Nominal Value Unit	Test Method
Tensile Strength	124 MPa	ASTM D638
Flexural Modulus	24000 MPa	ASTM D790
Flexural Strength	325 MPa	ASTM D790
Compressive Strength	350 MPa	ASTM D695

Impact	Nominal Value Unit	Test Method
Notched Izod Impact	1400 J/m	ASTM D256A

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness		ASTM D785
E-Scale	105	
M-Scale	120	

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

Electrical	Nominal Value Unit	Test Method
Dielectric Strength <sup>3</sup>		ASTM D149
-- <sup>4</sup>	12 kV/mm	
-- <sup>5</sup>	10 kV/mm	

### Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> Dry, 60 Hz

<sup>4</sup> Method A (Short-Time)

<sup>5</sup> Method B (Step-by-Step)



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### Where to Buy

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#### Supplier

**SBHPP**

Tokyo, Japan

**Telephone:** +81-3-5462-4118

**Web:** <http://www.sbhpp.com/>

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#### Distributor

Please contact the supplier to find a distributor for Sumitomo Phenolic GF 8202 L24

