

**NORYL™ Resin GFN3L - Asia**

(PPE+PS)-GF30

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

NORYL™ GFN3L resin is a 30% glass reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This injection moldable grade exhibits improved hydrolytic stability along with very low moisture absorption, high strength, Low warp, low specific gravity, and excellent dimensional stability. NORYL GFN3L carries a UL HB flame rating and is an excellent candidate for a variety of indoor and outdoor applications including construction, electrical components + displays, lawn and garden equipment. \*See NORYL GFN3F resin for FDA food compliant / NSF version

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>8.3</b>	g/10min	ASTM D 1238
Temperature	<b>300</b>	°C	-
Load	<b>5</b>	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Flexural Modulus	<b>7440</b>	MPa	ASTM D 790
Flexural Strength	<b>159</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 121</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>127</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Constant, 60 Hz	<b>2.93</b>	-	ASTM D 150
Surface Resistivity	<b>&gt;1E15</b>	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	<b>1310</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Chemical Resistance**

Hydrolytically Stable

**Certifications**

Food contact, Food approval FDA 21 CFR

**Regional Availability**

Asia Pacific