

## Technical Data Sheet

### *Polyfort* J-69/30/E/M BG9411BEI



Polypropylene, Homopolymer

#### Product Description

*Polyfort* J-69/30/E/M BG9411BEI is a Polypropylene Homopolymer Glass Fiber, 30% filled material. Features include: Chemically Coupled, and Homopolymer.

**Attribute** Chemically Coupled; Homopolymer

**Forms** Pellets

**Filler/Reinforcement** Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	13	g/10 min	ASTM D1238
Density - Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength, (23 °C)	100	MPa	ASTM D638
Tensile Elongation at Yield, (23 °C)	2.0	%	ASTM D638
Flexural Modulus, (23 °C, Tangent)	6210	MPa	ASTM D790
Tensile Modulus, (23 °C)	6890	MPa	ASTM D638
Flexural Strength, (23 °C)	124	MPa	ASTM D790
<b>Impact</b>			
Notched Izod Impact, (23 °C, 3.18 mm)	96	J/m	ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	105 to 110		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	154	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	160	°C	ASTM D648
<b>Additional Information</b>			
Water Absorption at 24 hrs	0.03	%	ASTM D570

Injection Parameters	Nominal Value	Units
Nozzle Temperature	204 to 221	°C
Processing (Melt) Temp	210 to 232	°C
Front Temperature	204 to 227	°C
Middle Temperature	216 to 232	°C
Rear Temperature	204 to 221	°C
Injection Rate	Slow	
Back Pressure	0.172 to 0.345	MPa
Mold Temperature	38 to 66	°C