

Polyfort J-69/30/E/M BG9411BEI

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

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

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Chemically Coupled • Homopolymer
Forms	• Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.13		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	999000	psi	ASTM D638
Tensile Strength (73°F)	14500	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	2.0	%	ASTM D638
Flexural Modulus - Tangent (73°F)	901000	psi	ASTM D790
Flexural Strength (73°F)	18000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.8	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105 to 110		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	320	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	309	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	399 to 430	°F
Middle Temperature	421 to 450	°F
Front Temperature	399 to 441	°F
Nozzle Temperature	399 to 430	°F
Processing (Melt) Temp	410 to 450	°F
Mold Temperature	100 to 151	°F
Injection Rate	Slow	
Back Pressure	24.9 to 50.0	psi