

# Polyfort FPP40GFC E SN BLK 73175

LyondellBasell Industries - Polypropylene Homopolymer

## General Information

### Product Description

40 % glass fibre reinforced PP-Homopolymer, chemically coupled

### General

Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Features	• Chemically Coupled • Homopolymer
Processing Method	• Injection Molding
Resin ID	• PP-GF

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm <sup>3</sup>	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	1.0	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.20E+6	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	8270	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/1A/50
Flexural Modulus	1.17E+6	psi	ISO 178
Flexural Stress	13500	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F	4.8	ft·lb/in <sup>2</sup>	
73°F	3.3	ft·lb/in <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	248	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	295	°F	ISO 75-2/A
Vicat Softening Temperature			
--	273	°F	ISO 306/B50
--	327	°F	ISO 306/A50

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F