

# Polyfort FPR1B10CCUVBKBLK

LyondellBasell Industries - Polypropylene

## General Information

### Product Description

FPR1B10CCUVBK is a 10% Glass-Reinforced, Chemically Coupled Polypropylene

### General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Features	• Chemically Coupled
Appearance	• Black • Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6000	psi	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	390000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.5	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	250	°F	ASTM D648

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180 to 219	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	390 to 469	°F
Middle Temperature	390 to 469	°F
Front Temperature	390 to 469	°F
Processing (Melt) Temp	390 to 469	°F
Mold Temperature	61 to 151	°F
Injection Rate	Moderate	
Back Pressure	< 50.0	psi
Screw Speed	20 to 60	rpm
Cushion	0.250 to 0.500	in