

# Polyfort FPP3B10CCUVGY277GRY

## LyondellBasell Industries - Polypropylene Homopolymer

### General Information

#### Product Description

Polyfort FPP3B10CCUVGY277GRY is a Polypropylene Homopolymer Glass Fiber, 10% filled material and is typically used in Injection Molding applications. Features include: Homopolymer, and Medium Impact Resistance.

#### General

Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• Homopolymer • Medium Impact Resistance
Forms	• Pellets
Processing Method	• Injection Molding

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.970		ASTM D792
Melt Mass-Flow Rate (MFR)	9.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	5400	psi	ASTM D638
Flexural Modulus - Tangent	390000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	2.1	ft-lb/in	ASTM D256
Gardner Impact	25.0	in-lb	ASTM D3029
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	71		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	264	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	264	°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