

# Polyfort FPP4B20CCUVGY291GRY

## LyondellBasell Industries - Polypropylene Homopolymer

### General Information

#### Product Description

Polyfort FPP4B20CCUV is a 20% Glass-Reinforced, UV Stabilized, Chemically-Coupled Polypropylene

#### General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Additive	• UV Stabilizer
Features	• Chemically Coupled • UV Stabilized
Appearance	• 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)	11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	6740	psi	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	474000	psi	ASTM D790
Flexural Strength	9570	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	3.2	ft-lb/in	ASTM D256

### 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