

Polyfort FPP5A30CCBKBLK

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyfort FPP5A30CCBKBLK is a Polypropylene, Unspecified Glass Fiber, 30% filled material and is typically used in Injection Molding applications. Features include: Chemically Coupled, and High Impact Resistance.

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Chemically Coupled • High Impact Resistance
Forms	• Pellets
Processing Method	• Injection Molding

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)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7800	psi	ASTM D638
Flexural Modulus - Tangent	500000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	4.3	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
RTI Str	150	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

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