

Polyfort FPP1A40CCBKBLK

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyfort FPP1A40CCBKBLK is a Polypropylene, Unspecified Glass Fiber, 40% filled material and is typically used in Injection Molding applications. Features include: Chemically Coupled.

General

Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Features	• Chemically Coupled
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.24		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	13000	psi	ASTM D638
Flexural Modulus - Tangent	1.07E+6	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 (66 psi, Unannealed)	325	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	306	°F	ASTM D648
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