

Polyfort CPP30GF14BK-BKBLK

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Polyfort CPP30GF14BK-BKBLK is a Polypropylene Homopolymer Mineral, 31% filled material and is typically used in Injection Molding applications. Features include: Homopolymer.

General

Filler / Reinforcement	• Mineral, 31% Filler by Weight
Features	• Homopolymer
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.16		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	3900	psi	ASTM D638
Tensile Elongation (Break, 73°F)	25	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	331000	psi	
Tangent : 73°F	381000	psi	
Flexural Strength (73°F)	6600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.51	ft-lb/in	ASTM D256
Unnotched Izod Impact (73°F)	9.0	ft-lb/in	ASTM D4812
Gardner Impact	25.0	in-lb	ASTM D5420
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	73		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	230	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	145	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	396 to 399	°F
Middle Temperature	399 to 410	°F
Front Temperature	410 to 415	°F
Nozzle Temperature	415 to 424	°F
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F
Back Pressure	50.0 to 99.9	psi