Polyfort GPP20CC66HB-BK FERREXBLK

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyfort GPP20CC66HB-BK FERREXBLK is a Polypropylene, Unspecified Calcium Carbonate, 20% filled material and is typically used in Injection Molding applications. Features include: High Gloss.

General

Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight
Features	• High Gloss
Forms	• Pellets
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05		ASTM D792
Melt Mass-Flow Rate (MFR)	8.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	4210	psi	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	260000	psi	ASTM D790
Flexural Strength (Yield)	6000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, 0.125 in)	0.69	ft·lb/in	ASTM D256
Unnotched Izod Impact (73°F, 0.125 in)	12	ft·lb/in	ASTM D4812
Gardner Impact	18.0	in·lb	ASTM D3029
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	74		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	219	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	150	°F	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	199	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	390 to 399	°F
Middle Temperature	399 to 410	°F
Front Temperature	410 to 421	°F
Nozzle Temperature	421 to 430	°F
Mold Temperature	115 to 140	°F
Back Pressure	20.0 to 50.0	psi
Screw Speed	100 to 150	rpm
Clamp Tonnage	2.0 to 3.0	tons/in²