

# Polyfort GPP20CN05HB-WH FERREXWHI

LyondellBasell Industries - Polypropylene Homopolymer

## General Information

### Product Description

Polyfort GPP20CN05HB-WH FERREXWHI is a Polypropylene Homopolymer Calcium Carbonate, 22% filled material and is typically used in Injection Molding applications. Features include: Good Impact Resistance, High Gloss, and Homopolymer.

### General

Filler / Reinforcement	• Calcium Carbonate, 22% Filler by Weight
Features	• Good Impact Resistance • High Gloss • Homopolymer
Uses	• Automotive Exterior Parts • Protective Coverings
Appearance	• White
Forms	• Pellets
Processing Method	• Injection Molding

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.06		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	2490	psi	ASTM D638
Tensile Elongation (Break, 73°F)	90	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	142000	psi	
Tangent : 73°F	160000	psi	
Flexural Strength (73°F)	3700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.8	ft·lb/in	ASTM D256
Unnotched Izod Impact (73°F)	No Break		ASTM D4812
Gardner Impact (73°F)	242	in·lb	ASTM D5420
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	235	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	130	°F	ASTM D648

## 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
Injection	Nominal Value	Unit
Screw Speed	100 to 150	rpm
Clamp Tonnage	2.0 to 3.0	tons/in <sup>2</sup>