

# Polyfort POLYTROPE GPP20CV04HB-BKBLK

LyondellBasell Industries - Polypropylene Copolymer

## General Information

### Product Description

Polyfort POLYTROPE GPP20CV04HB-BKBLK is a Polypropylene Copolymer Calcium Carbonate, 20% filled material and is typically used in Injection Molding applications. Features include: Copolymer, and High Gloss.

### General

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

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.03		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	2800	psi	ASTM D638
Tensile Elongation (Break, 73°F)	45	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	170000	psi	
Tangent : 73°F	186000	psi	
Flexural Strength (73°F)	5290	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)	275	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	230	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	130	°F	ASTM D648