

# Polyfort HPP20GR41HB-BK GAPEXBLK

LyondellBasell Industries - Polypropylene Homopolymer

## General Information

### Product Description

Polyfort HPP20GR41HB-BK GAPEXBLK is a Polypropylene Homopolymer Glass Fiber/Mineral, 21% filled material. Features include: Chemically Coupled.

### General

Filler / Reinforcement	• Glass Fiber/Mineral, 21% Filler by Weight
Features	• Chemically Coupled
Appearance	• Black
Forms	• Pellets

## 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)	5.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	7190	psi	ASTM D638
Tensile Elongation (Break, 73°F)	4.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	476000	psi	
Tangent : 73°F	493000	psi	
Flexural Strength (73°F)	10700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.99	ft·lb/in	ASTM D256
Unnotched Izod Impact (73°F)	5.8	ft·lb/in	ASTM D4812
Gardner Impact (73°F)	3.00	in·lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	306	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	255	°F	ASTM D648