

Polyfort HPP40GR21BK-HB BLACK

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Polyfort HPP40GR21BK-HB BLACK is a Polypropylene Homopolymer Glass Fiber/Mineral, 40% filled material. Features include: Chemically Coupled.

General

Filler / Reinforcement	• Glass Fiber/Mineral, 40% Filler by Weight
Features	• Chemically Coupled
Appearance	• Black
Forms	• Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.24		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	10200	psi	ASTM D638
Tensile Elongation (Break, 73°F)	3.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	976000	psi	
Tangent : 73°F	994000	psi	
Flexural Strength (73°F)	15700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.2	ft·lb/in	ASTM D256
Unnotched Izod Impact (73°F)	7.1	ft·lb/in	ASTM D4812
Gardner Impact (73°F)	3.50	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	286	°F	ASTM D648