

Polyfort HPP30GR20BK-BK GAPEXBLK

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Polyfort HPP30GR20BK-BK GAPEXBLK is a Polypropylene Homopolymer Glass Fiber/Mica, 31% filled material. Features include: Chemically Coupled, and Heat Stabilized.

General

Filler / Reinforcement	• Glass Fiber/Mica, 31% Filler by Weight
Additive	• Heat Stabilizer
Features	• Chemically Coupled • Heat Stabilized
Uses	• Automotive Applications
Forms	• Pellets

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.3	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	7990	psi	ISO 527-2
Flexural Modulus - Tangent	638000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°F	1.8	ft·lb/in ²	
73°F	2.5	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	311	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	277	°F	ISO 75-2/A
Aging	Nominal Value	Unit	Test Method
Change in Tensile Stress (302°F, 1000 hr)	5.0	%	ISO 1817