

# Polyfort RPP30EC53HB-BK GAPEX HPBLK

LyondellBasell Industries - Polypropylene Homopolymer

## General Information

### Product Description

Gapex RPP30EC53HB is a 30% Fiberglass Reinforced, Chemically Coupled Homopolymer Polypropylene

### General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Chemically Coupled • Homopolymer
Forms	• Pellets

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.14		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	11500	psi	ASTM D638
Flexural Modulus - Tangent (73°F)	827000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.8	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	300	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	160 to 180	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	430 to 460	°F
Middle Temperature	441 to 469	°F
Front Temperature	450 to 500	°F
Nozzle Temperature	450 to 500	°F
Processing (Melt) Temp	430 to 460	°F
Mold Temperature	100 to 151	°F
Injection Rate	Slow-Moderate	
Back Pressure	20.0 to 50.0	psi
Cushion	0.200 to 0.500	in