

# Polyfort LPP20BN45HB-BKBLK

## LyondellBasell Industries - Polypropylene Copolymer

### General Information

#### Product Description

Polyfort LPP20BN45HB-BKBLK is a Polypropylene Copolymer Calcium Carbonate, 22% filled material and is typically used in Injection Molding applications. Features include: Copolymer.

#### General

Filler / Reinforcement	• Calcium Carbonate, 22% Filler by Weight
Features	• Copolymer
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.07		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)	3310	psi	ASTM D638
Tensile Elongation (Break, 73°F)	55	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	213000	psi	
Tangent : 73°F	252000	psi	
Flexural Strength (73°F)	5290	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.3	ft-lb/in	ASTM D256
Unnotched Izod Impact (73°F)	22	ft-lb/in	ASTM D4812
Gardner Impact (73°F)	200	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	212	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	140	°F	ASTM D648

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F