

Polyfort LPP20BN46HB-ALBEI

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

Polyfort LPP20BN46HB-ALBEI is a Polypropylene Copolymer Calcium Carbonate, 20% filled material and is typically used in Injection Molding applications. Features include: Copolymer.

General

Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight
Features	• Copolymer
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.06		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	3390	psi	ASTM D638
Tensile Elongation (Break, 73°F)	80	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	194000	psi	
Tangent : 73°F	229000	psi	
Flexural Strength (73°F)	5210	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)	24	ft·lb/in	ASTM D4812
Gardner Impact (73°F)	225	in·lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	208	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	135	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	360 to 399	°F
Middle Temperature	360 to 410	°F
Front Temperature	360 to 424	°F
Nozzle Temperature	360 to 424	°F
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F