

Polyfort PP3B0BKBLK

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

Polyfort PP3B0BKBLK is a Polypropylene Copolymer material and is typically used in Injection Molding applications. Features include: Copolymer, and Medium Impact Resistance.

General

Features	<ul style="list-style-type: none"> Copolymer Medium Impact Resistance
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.910		ASTM D792
Melt Mass-Flow Rate (MFR)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	3900	psi	ASTM D638
Tensile Elongation (Yield, 73°F, 0.125 in)	11	%	ASTM D638
Flexural Modulus - Tangent	165000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	2.1	ft-lb/in	ASTM D256
Gardner Impact	160	in-lb	ASTM D5420
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	180	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	120	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180 to 219	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	351 to 450	°F
Middle Temperature	351 to 450	°F
Front Temperature	351 to 450	°F
Processing (Melt) Temp	379 to 450	°F
Mold Temperature	70 to 120	°F
Injection Rate	Moderate	
Back Pressure	20.0 to 300	psi
Cushion	0.250 to 0.500	in