

Polyfort PP3A0HBWH184

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

PP3A0HB is an Unfilled, High Impact Polypropylene Copolymer

General

Features	• Copolymer
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.910		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	3970	psi	ASTM D638
Tensile Elongation (Yield)	19	%	ASTM D638
Flexural Modulus - Tangent	167000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	2.6	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
RTI Elec (0.06 to 0.12 in)	149	°F	UL 746B
RTI Imp (0.06 to 0.12 in)	149	°F	UL 746B
RTI Str (0.06 to 0.12 in)	149	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating	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