

Technical Data Sheet

Polyfort PP3A0HBWH184



Polypropylene Copolymer

Product Description

PP3A0HB is an Unfilled, High Impact Polypropylene Copolymer

Processing Method Injection Molding

Attribute Copolymer

Forms Pellets

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.8	g/10 min	ASTM D1238
Density - Specific Gravity	0.908	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	19	%	ASTM D638
Tensile Strength at Yield, (23 °C)	27.4	MPa	ASTM D638
Flexural Modulus, (Tangent)	1150	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	140	J/m	ASTM D256
Thermal			
RTI Elec, (1.5 to 3.0 mm)	65.0	°C	UL 746B
RTI Imp, (1.5 to 3.0 mm)	65.0	°C	UL 746B
RTI Str, (1.5 to 3.0 mm)	65.0	°C	UL 746B
UL Information			
Flame Rating	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82 to 104	°C
Processing (Melt) Temp	193 to 232	°C
Front Temperature	177 to 232	°C
Middle Temperature	177 to 232	°C
Rear Temperature	177 to 232	°C
Injection Rate	Moderate	
Back Pressure	0.138 to 2.07	MPa
Mold Temperature	21 to 49	°C
Cushion	6.35 to 12.7	mm