

## Technical Data Sheet

### *Polyfort* PP5A0HBNANAT

Polypropylene, Impact Copolymer

#### Product Description

PP5A0 is an Unfilled, High Impact Polypropylene Copolymer

<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Copolymer
<b>Forms</b>	Pellets
<b>Appearance</b>	Colors Available

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	ASTM D1238
Density - Specific Gravity	0.908	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Elongation at Yield	12	%	ASTM D638
Tensile Strength at Yield, (23 °C)	20.9	MPa	ASTM D638
Flexural Modulus, (Tangent)	979	MPa	ASTM D790
<b>Impact</b>			
Gardner Impact	25.3	J	ASTM D3029
Notched Izod Impact, (23 °C, 3.18 mm)	640	J/m	ASTM D256

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
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