

Technical Data Sheet

Polyfort PP5A0HBBK21BLK



Polypropylene, Impact Copolymer

Product Description

PP5A0 is an Unfilled, High Impact Polypropylene Copolymer

Processing Method	Injection Molding
Attribute	Copolymer
Forms	Pellets
Appearance	Colors Available

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	ASTM D1238
Density - Specific Gravity	0.908	g/cm ³	ASTM D792
Mechanical			
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
Impact			
Gardner Impact	25.3	J	ASTM D3029
Notched Izod Impact, (23 °C, 3.18 mm)	640	J/m	ASTM D256

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