

Technical Data Sheet

Polyfort PP3A0BKBLK



Polypropylene Copolymer

Product Description

PP3A0BK is an Unfilled, Medium/High Impact Polypropylene Copolymer

Processing Method	Injection Molding
Attribute	Copolymer
Forms	Pellets
Appearance	Black

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			
Deflection Temperature Under Load Unannealed (66 psi)	86.1	°C	ASTM D648

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature, (Desiccant Dryer)	82	°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