

Technical Data Sheet

Polyfort PP3A0BKBLK



Polypropylene Copolymer

Product Description

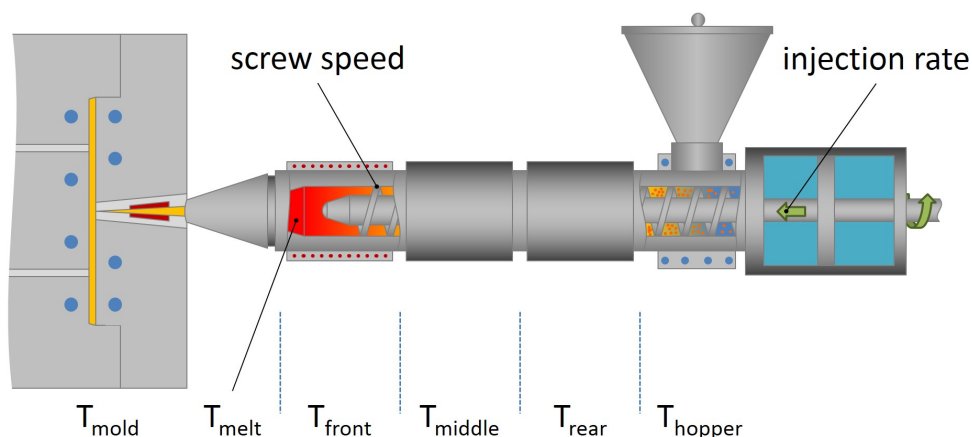
PP3A0BK is an Unfilled, Medium/High Impact Polypropylene Copolymer

Regulatory Status

For regulatory compliance information, see PP3A0BKBLK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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