

Technical Data Sheet

Polyfort PP4B0BKBLK



Polypropylene Copolymer

Product Description

Polyfort PP4B0BKBLK is a Polypropylene Copolymer material and is typically used in Injection Molding applications. Features include: Copolymer, and High Impact Resistance.

Regulatory Status

For regulatory compliance information, see PP4B0BKBLK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Discontinued
Availability	North America
Processing Method	Injection Molding
Attribute	Copolymer; High Impact Resistance
Forms	Pellets

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	9.5	g/10 min	ASTM D1238
Density - Specific Gravity	0.908	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield, (23 °C, 3.18 mm)	12	%	ASTM D638
Tensile Strength at Yield, (23 °C)	23.4	MPa	ASTM D638
Flexural Modulus, (Tangent)	827	MPa	ASTM D790
Impact			
Gardner Impact	22.6	J	ASTM D5420
Notched Izod Impact, (23 °C, 3.18 mm)	160	J/m	ASTM D256
Hardness			
Durometer Hardness, (Shore D)	65		ASTM D2240
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	48.9	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	71.1	°C	ASTM D648
UL Information			
Flame Rating, (1.6 mm)	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

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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