

Technical Data Sheet

Polyfort CPP30GF14BK-BKBLK



Polypropylene, Homopolymer

Product Description

Polyfort CPP30GF14BK-BKBLK is a Polypropylene Homopolymer Mineral, 31% filled material and is typically used in Injection Molding applications. Features include: Homopolymer.

Regulatory Status

For regulatory compliance information, see CPP30GF14BK-BKBLK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Latin America; North America
Processing Method	Injection Molding
Attribute	Homopolymer
Forms	Pellets
Appearance	Black
Filler/Reinforcement	Mineral, 31%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	21	g/10 min	ASTM D1238
Density - Specific Gravity	1.16	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	26.9	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	2280	MPa	ASTM D790
(23 °C, Tangent)	2630	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	25	%	ASTM D638
Flexural Strength, (23 °C)	45.5	MPa	ASTM D790
Impact			
Gardner Impact	2.82	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	480	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	27	J/m	ASTM D256
Hardness			
Durometer Hardness, (Shore D)	73		ASTM D2240
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	62.8	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	110	°C	ASTM D648



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Nozzle Temperature	213 to 218	°C
Processing (Melt) Temp	220 to 260	°C
Front Temperature	210 to 213	°C
Middle Temperature	204 to 210	°C
Rear Temperature	202 to 204	°C
Back Pressure	0.345 to 0.689	MPa
Mold Temperature	30 to 60	°C

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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