

Technical Data Sheet



Lucent Pc GPC-FR030

Polycarbonate
LyondellBasell Industries
Engineering Plastics

Product Description

GPC=FR030 is a Glass-Reinforced, Flame Retardant, Polycarbonate

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Mass-Flow Rate (MFR)	16 g/10 min	16 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	11000 psi	75.8 MPa	ASTM D638
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm)	1.5 ft-lb/in	80 J/m	ASTM D256
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 in (1.5 mm))	V-0	V-0	UL 94

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	250 °F	121 °C
Suggested Max Moisture	< 0.02 %	< 0.02 %
Rear Temperature	480 to 530 °F	249 to 277 °C
Middle Temperature	480 to 550 °F	249 to 288 °C
Front Temperature	480 to 550 °F	249 to 288 °C
Nozzle Temperature	480 to 550 °F	249 to 288 °C
Processing (Melt) Temp	480 to 550 °F	249 to 288 °C
Mold Temperature	160 to 220 °F	71 to 104 °C
Back Pressure	< 100 psi	< 0.689 MPa
Screw Speed	40 to 75 rpm	40 to 75 rpm

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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

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

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