

Technical Data Sheet

**Qr Resin QR-8000-GFR30**

Polybutylene Terephthalate
LyondellBasell Industries
Engineering Plastics

Product Description

QR-8000-GFR30 has Flame Packages available as: 94V-0, 94-5VA (Po Specified).

General

Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Good Dimensional Stability		
Appearance	• Black	• Colors Available	• Natural Color
Forms	• Pellets		

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	15300 psi	105 MPa	ASTM D638
Flexural Modulus	990000 psi	6830 MPa	ASTM D790
Flexural Strength (Break)	24300 psi	168 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.80 ft·lb/in	43 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	11 ft·lb/in	590 J/m	ASTM D4812
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	420 °F	216 °C	
264 psi (1.8 MPa), Unannealed	400 °F	204 °C	
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	• V-0 • 5VA	• V-0 • 5VA	UL 94

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	250 °F	121 °C
Drying Time	3.0 to 6.0 hr	3.0 to 6.0 hr
Drying Time, Maximum	6.0 hr	6.0 hr
Rear Temperature	470 to 510 °F	243 to 266 °C
Middle Temperature	480 to 510 °F	249 to 266 °C
Front Temperature	490 to 530 °F	254 to 277 °C
Nozzle Temperature	480 to 520 °F	249 to 271 °C
Processing (Melt) Temp	490 to 530 °F	254 to 277 °C
Mold Temperature	150 to 190 °F	66 to 88 °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.

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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