

Technical Data Sheet

**Qr Resin QR-9000-GF30**

Polyamide 66
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Chemical Resistant • Good Stiffness	• Good Strength • Heat Stabilized	• High Heat Resistance • Oil Resistant
Appearance	• Black	• Colors Available	• Natural Color
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.50	1.50 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	1.53E+6 psi	10500 MPa	ASTM D638
Tensile Strength (Break)	21600 psi	149 MPa	ASTM D638
Tensile Elongation (Break)	2.5 %	2.5 %	ASTM D638
Flexural Modulus	1.33E+6 psi	9170 MPa	ASTM D790
Flexural Strength (Break)	31300 psi	216 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.2 ft·lb/in	61 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	535 °F	279 °C	ASTM D648
Melting Temperature	565 °F	296 °C	

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	185 °F	85 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Drying Time, Maximum	4.0 hr	4.0 hr
Suggested Max Moisture	0.05 %	0.05 %
Rear Temperature	500 to 560 °F	260 to 293 °C
Middle Temperature	500 to 560 °F	260 to 293 °C
Front Temperature	500 to 560 °F	260 to 293 °C
Nozzle Temperature	500 to 560 °F	260 to 293 °C
Processing (Melt) Temp	500 to 560 °F	260 to 293 °C
Mold Temperature	160 to 220 °F	71 to 104 °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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