

Technical Data Sheet

**Qr Resin QR-1200GF16**

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 16% Filler by Weight
Features	• General Purpose • High Heat Resistance
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.26	1.26 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	12000 psi	82.7 MPa	ASTM D638
Flexural Modulus	725000 psi	5000 MPa	ASTM D790
Flexural Strength (Yield)	18900 psi	130 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.4 ft·lb/in	76 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	250 °F	121 °C	ASTM D648

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 250 °F	82 to 121 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	450 to 500 °F	232 to 260 °C
Middle Temperature	450 to 550 °F	232 to 288 °C
Front Temperature	450 to 550 °F	232 to 288 °C
Nozzle Temperature	450 to 550 °F	232 to 288 °C
Processing (Melt) Temp	450 to 550 °F	232 to 288 °C
Mold Temperature	110 to 180 °F	43 to 82 °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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