Technical Data Sheet

Qr Resin QR-1200-GF10

Polycarbonate Alloy
LyondellBasell Industries
Engineering Plastics

General		
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight	
Features	• General Purpose	• High Heat Resistance
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.22	1.22 g/cm³	ASTM D792
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield)	10200 psi	70.0 MPa	ASTM D638
Flexural Modulus	471000 psi	3250 MPa	ASTM D790
Flexural Strength (Yield)	15700 psi	108 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			ASTM D648
66 Psi (0.45 Mpa), Unannealed	290 °F	143 °C	
264 Psi (1.8 Mpa), Unannealed	280 °F	138 °C	

Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Glass Fiber Content	10 %	10 %	ASTM D5630

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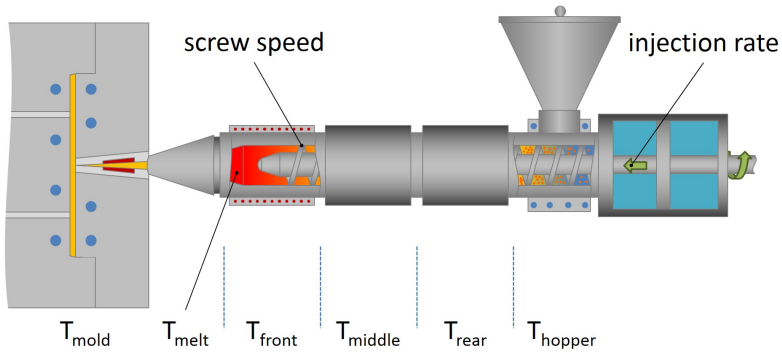

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	250 °F	121 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Drying Time, Maximum	4.0 hr	4.0 hr
Rear Temperature	550 to 600 °F	288 to 316 °C
Middle Temperature	550 to 600 °F	288 to 316 °C
Front Temperature	550 to 600 °F	288 to 316 °C
Nozzle Temperature	550 to 600 °F	288 to 316 °C
Processing (Melt) Temp	560 to 600 °F	293 to 316 °C
Mold Temperature	170 to 220 °F	77 to 104 °C

Notes

These are typical property values not to be construed as specification limits.