

Technical Data Sheet

Qr Resin QR-1200GF16

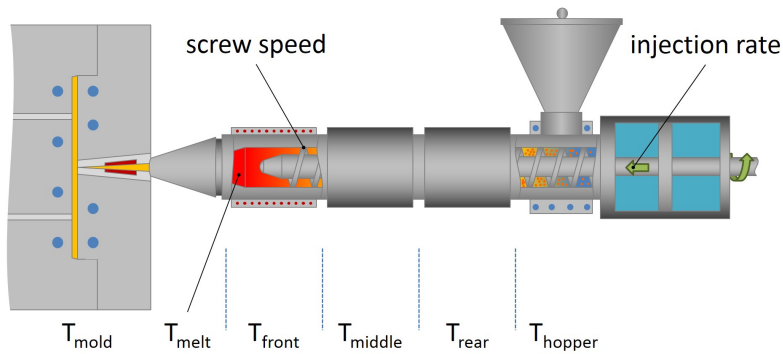
Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

General			
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/cm³	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			ASTM D648
264 Psi (1.8 Mpa), Unannealed	250 °F	121 °C	

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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.