Technical Data Sheet

Qr Resin QR-9000-GF30

Polyamide 66
LyondellBasell Industries
Engineering Plastics

General			
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/cm³	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			ASTM D648
264 Psi (1.8 Mpa), Unannealed	535 °F	279 °C	
Melting Temperature	565 °F	296 °C	

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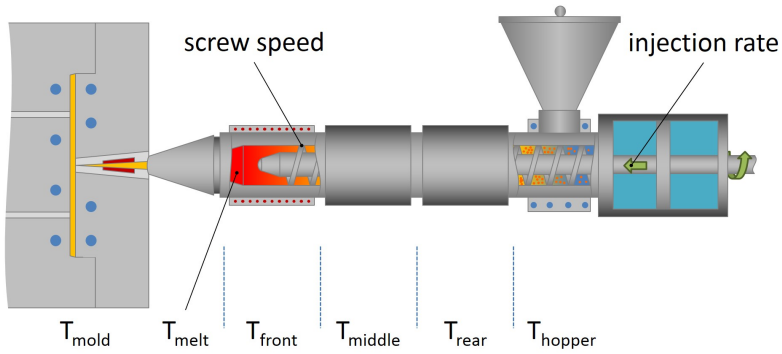

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	185 °F	85 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Drying Time, Maximum	4.0 hr	4.0 hr
Suggested Max Moisture	0.05 %	0.05 %
Rear Temperature	500 to 560 °F	260 to 293 °C
Middle Temperature	500 to 560 °F	260 to 293 °C
Front Temperature	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.