Technical Data Sheet

Qr Resin QR-8000-GF20

Polybutylene Terephthalate
LyondellBasell Industries
Engineering Plastics

Product Description
QR-8000-GF20 is available with Lubricant (L).

General			
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Additive	• Lubricant		
Features	• Good Dimensional Stability • High Stiffness	• High Strength • Lubricated	
Appearance	• Black	• Colors Available	• Natural Color
Forms	• Pellets		

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	14500 psi	100 MPa	ASTM D638
Tensile Elongation (Yield)	2.7 %	2.7 %	ASTM D638
Flexural Modulus	800000 psi	5520 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	1.1 ft·lb/in	59 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	400 °F	204 °C	

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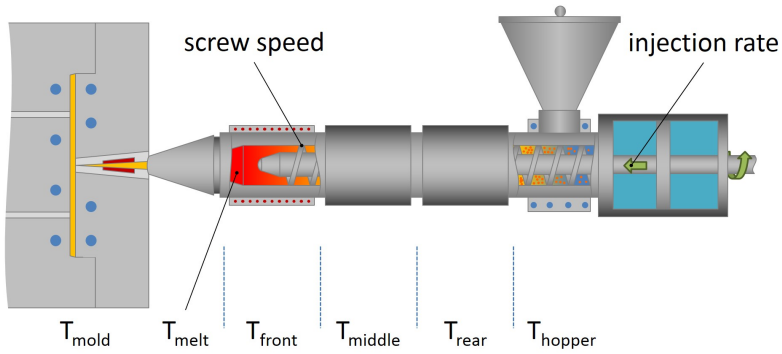

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	250 °F	121 °C
Drying Time	3.0 to 6.0 hr	3.0 to 6.0 hr
Drying Time, Maximum	6.0 hr	6.0 hr
Suggested Max Moisture	0.02 %	0.02 %
Rear Temperature	460 to 490 °F	238 to 254 °C
Middle Temperature	470 to 500 °F	243 to 260 °C
Front Temperature	480 to 510 °F	249 to 266 °C
Nozzle Temperature	470 to 500 °F	243 to 260 °C
Processing (Melt) Temp	480 to 520 °F	249 to 271 °C
Mold Temperature	150 to 200 °F	66 to 93 °C

Notes

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