Technical Data Sheet

Qr Resin QR-8000-GFR30

Polybutylene Terephthalate
LyondellBasell Industries
Engineering Plastics

Product Description
QR-8000-GFR30 has Flame Packages available as: 94V-0, 94-5VA (Po Specified).

General			
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Good Dimensional Stability		
Appearance	• Black	• Colors Available	• Natural Color
Forms	• Pellets		

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	15300 psi	105 MPa	ASTM D638
Flexural Modulus	990000 psi	6830 MPa	ASTM D790
Flexural Strength (Break)	24300 psi	168 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	0.80 ft·lb/in	43 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	11 ft·lb/in	590 J/m	ASTM D4812
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	420 °F	216 °C	
264 Psi (1.8 Mpa), Unannealed	400 °F	204 °C	
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating (0.06 In (1.6 Mm))	• V-0 • 5VA	• V-0 • 5VA	UL 94

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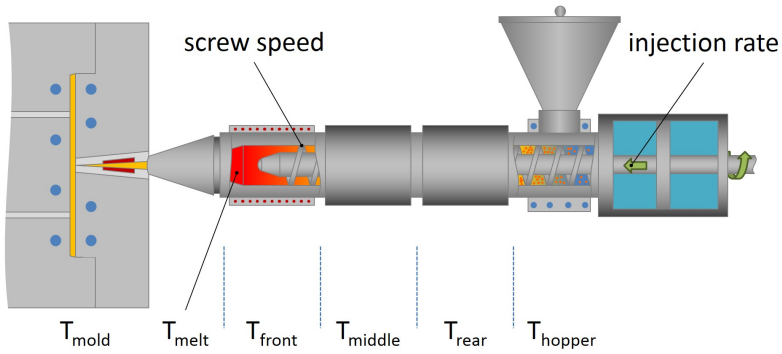

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	250 °F	121 °C
Drying Time	3.0 to 6.0 hr	3.0 to 6.0 hr
Drying Time, Maximum	6.0 hr	6.0 hr
Rear Temperature	470 to 510 °F	243 to 266 °C
Middle Temperature	480 to 510 °F	249 to 266 °C
Front Temperature	490 to 530 °F	254 to 277 °C
Nozzle Temperature	480 to 520 °F	249 to 271 °C
Processing (Melt) Temp	490 to 530 °F	254 to 277 °C
Mold Temperature	150 to 190 °F	66 to 88 °C

Notes

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