

Technical Data Sheet

Qr Resin QR-0300GF20

Styrene Acrylonitrile
 LyondellBasell Industries
 Engineering Plastics

General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Features	• Good Impact Resistance	• Good Toughness	• UV Resistant
Appearance	• Black • Colors Available		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.21 to 1.22	1.21 to 1.22 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 Kg)	4.0 g/10 min	4.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	16600 psi	114 MPa	ISO 527-2/1270
Flexural Modulus - Tangent (0.0500 In (1.27 Mm))	1190 psi	8.17 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.91 ft·lb/in	49 J/m	ASTM D256

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	175 °F	79 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Drying Time, Maximum	4.0 hr	4.0 hr
Processing (Melt) Temp	460 to 550 °F	238 to 288 °C
Mold Temperature	110 to 160 °F	43 to 71 °C

Notes

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