

Technical Data Sheet

Ronfalin C110FR GF20

Polycarbonate + ABS
 LyondellBasell Industries
 Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Uses	• Electrical Parts

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.26 g/cm ³	1.26 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 Kg)	30 g/10 min	30 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	740000 psi	5100 MPa	ISO 527-1
Tensile Stress (Yield)	11600 psi	80.0 MPa	ISO 527-2
Flexural Modulus	6.50E+6 psi	44800 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (Area) (73°F (23°C))	3.81 ft·lb/in ²	8.00 kJ/m ²	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	243 °F	117 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	212 °F	100 °C	ISO 75-2/A
Vicat Softening Temperature	248 °F	120 °C	ISO 306/B50

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.13 In (3.2 Mm))	V-0	V-0	UL 94
Glow Wire Ignition Temperature			IEC 60695-2-13
0.04 In (1.0 Mm)	1760 °F	960 °C	

Notes

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