

Technical Data Sheet

RONFALIN® C C110FR GF20

Polycarbonate + ABS
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/cm³	1.26 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	30 g/10 min	30 g/10 min	ISO 1133
Molding Shrinkage	0.30 to 0.50 %	0.30 to 0.50 %	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	740000 psi	5100 MPa	ISO 527-2
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/in²	8.00 kJ/m²	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
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.