

Technical Data Sheet

RONFALIN® C C230FR G10

Polycarbonate + ABS
Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight		
Additive	• Flame Retardant		
Features	• Flame Retardant		
Uses	• Electrical Parts		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.23 g/cm³	1.23 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	18 g/10 min	18 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	551000 psi	3800 MPa	ISO 527-2
Tensile Stress (Break)	8990 psi	62.0 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.0 %	4.0 %	ISO 527-2
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength	4.8 ft·lb/in²	10 kJ/m²	ISO 179
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	268 °F	131 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	237 °F	114 °C	ISO 75-2/A
Vicat Softening Temperature	275 °F	135 °C	ISO 306/A50
Ball Pressure Test (257°F (125°C))	Pass	Pass	IEC 60695-10-2
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 in (1.5 mm)	V-0	V-0	
0.13 in (3.2 mm)	V-0	V-0	

Notes

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