Technical Data Sheet

RONFALIN® C C110FR

Polycarbonate + ABS
Engineering Plastics

General		
Additive	• Flame Retardant	
Features	• Flame Retardant	
Uses	• Appliance Components	• Housings

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm³	1.20 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	35 g/10 min	35 g/10 min	ISO 1133
Molding Shrinkage	0.50 to 0.70 %	0.50 to 0.70 %	
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	392000 psi	2700 MPa	ISO 527-2
Tensile Stress (Yield)	8700 psi	60.0 MPa	ISO 527-2
Tensile Strain (Break)	40 %	40 %	ISO 527-2
Flexural Modulus	377000 psi	2600 MPa	ISO 178
Flexural Stress	13100 psi	90.0 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (Area) (73°F (23°C))	19.0 ft·lb/in²	40.0 kJ/m²	ASTM D256
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	232 °F	111 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	194 °F	90.0 °C	ISO 75-2/A
Vicat Softening Temperature	230 °F	110 °C	ISO 306/B50
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating			UL 94
0.06 in (1.6 mm)	V-0	V-0	
0.13 in (3.2 mm)	V-0	V-0	
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.