

Technical Data Sheet

Ronfalin C110FR

Polycarbonate + ABS
 LyondellBasell Industries
 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/cm ³	1.20 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 Kg)	35 g/10 min	35 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	392000 psi	2700 MPa	ISO 527-1
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/in ²	40.0 kJ/m ²	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
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.