

Technical Data Sheet

**Ronfalin C120 EF**

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

Product Description

PC/ABS with a vicat softening temperature of 120°C exhibiting good melt flow and low temperature impact

General

Material Status	• Commercial: Active
Availability	• Europe

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.12 g/cm ³	1.12 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	22 g/10 min	22 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	341000 psi	2350 MPa	ISO 527-1
Tensile Stress (Yield)	7250 psi	50.0 MPa	ISO 527-2
Tensile Strain (Break)	> 50 %	> 50 %	ISO 527-2
Flexural Stress	13100 psi	90.0 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength	17 ft·lb/in ²	35 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	No Break	No Break	ISO 179
Notched Izod Impact (Area) (73°F (23°C))	14.3 ft·lb/in ²	30.0 kJ/m ²	ASTM D256A
Notched Izod Impact Strength	9.5 ft·lb/in ²	20 kJ/m ²	ISO 180
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	252 °F	122 °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	HB	HB	UL 94

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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Page: 1 of 1
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