

## 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

| Physical                                 | Nominal Value (English)    | Nominal Value (SI)     | Test Method |
|------------------------------------------|----------------------------|------------------------|-------------|
| Density                                  | 1.12 g/cm <sup>3</sup>     | 1.12 g/cm <sup>3</sup> | 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 <sup>2</sup>   | 35 kJ/m <sup>2</sup>   | 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 <sup>2</sup> | 30.0 kJ/m <sup>2</sup> | ASTM D256A  |
| Notched Izod Impact Strength             | 9.5 ft·lb/in <sup>2</sup>  | 20 kJ/m <sup>2</sup>   | 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.

