



## Technical Data Sheet

### *Ronfalin C120 NAT*

Polycarbonate + ABS

#### Product Description

*Ronfalin C120 NATURAL* is a Polycarbonate + ABS material.

#### Regulatory Status

For regulatory compliance information, see *Ronfalin C120 NAT* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                     |                                                                        |
|---------------------|------------------------------------------------------------------------|
| <b>Status</b>       | Commercial: Active                                                     |
| <b>Availability</b> | Africa-Middle East; Asia-Pacific; Europe; Latin America; North America |
| <b>Application</b>  | Cell Phones; General Purpose                                           |

| Typical Properties                                      | Nominal Value | Units             | Test Method |
|---------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                         |               |                   |             |
| Melt Flow Rate, (260 °C/5.0 kg)                         | 20            | g/10 min          | ISO 1133    |
| Density                                                 | 1.12          | g/cm <sup>3</sup> | ISO 1183    |
| <b>Mechanical</b>                                       |               |                   |             |
| Tensile Stress at Yield                                 | 53            | MPa               | ISO 527-2   |
| Tensile Strain at Break                                 | >50           | %                 | ISO 527-2   |
| Flexural Modulus                                        | 2200          | MPa               | ISO 178     |
| Tensile Modulus                                         | 2350          | MPa               | ISO 527-1   |
| Flexural Stress                                         | 75            | MPa               | ISO 178     |
| <b>Impact</b>                                           |               |                   |             |
| Notched Izod Impact (Area), (23 °C)                     | 40.0          | kJ/m <sup>2</sup> | ASTM D256   |
| <b>Thermal</b>                                          |               |                   |             |
| Vicat Softening Temperature, (B (50N), 50 °C/h)         | 120           | °C                | ISO 306     |
| Deflection Temperature Under Load Unannealed (0.45 MPa) | 123           | °C                | ISO 75-2/B  |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 100           | °C                | ISO 75-2/A  |
| <b>UL Information</b>                                   |               |                   |             |
| Flame Rating                                            | 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.

## Company Information

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

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