

## Technical Data Sheet

**Ronfalin C110FR GF20**

Polycarbonate + ABS  
LyondellBasell Industries  
Engineering Plastics

**General**

|                        |                                          |                             |                 |
|------------------------|------------------------------------------|-----------------------------|-----------------|
| Material Status        | • Commercial: Active                     |                             |                 |
| Availability           | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight      |                             |                 |
| Additive               | • Flame Retardant                        |                             |                 |
| Features               | • Flame Retardant                        |                             |                 |
| Uses                   | • Electrical Parts                       |                             |                 |

| Physical                                 | Nominal Value (English)    | Nominal Value (SI)     | Test Method    |
|------------------------------------------|----------------------------|------------------------|----------------|
| Density                                  | 1.26 g/cm <sup>3</sup>     | 1.26 g/cm <sup>3</sup> | ISO 1183       |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg) | 30 g/10 min                | 30 g/10 min            | ISO 1133       |
| Mechanical                               | Nominal Value (English)    | Nominal Value (SI)     | Test Method    |
| Tensile Modulus                          | 740000 psi                 | 5100 MPa               | ISO 527-1      |
| Tensile Stress (Yield)                   | 11600 psi                  | 80.0 MPa               | ISO 527-2      |
| Flexural Modulus                         | 6.50E+6 psi                | 44800 MPa              | ISO 178        |
| Impact                                   | Nominal Value (English)    | Nominal Value (SI)     | Test Method    |
| Notched Izod Impact (Area) (73°F (23°C)) | 3.81 ft-lb/in <sup>2</sup> | 8.00 kJ/m <sup>2</sup> | ASTM D256      |
| Thermal                                  | Nominal Value (English)    | Nominal Value (SI)     | Test Method    |
| Deflection Temperature Under Load        |                            |                        |                |
| 66 psi (0.45 MPa), Unannealed            | 243 °F                     | 117 °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 (0.13 in (3.2 mm))          | V-0                        | V-0                    | UL 94          |
| 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.

**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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