

Technical Data Sheet

**Ronfalin 100 G10**

Acrylonitrile Butadiene Styrene
LyondellBasell Industries
Engineering Plastics

Product Description

10% glass fibre reinforced ABS for injection moulding of parts in structural applications. Used in Automotives and domestic appliances

General

Material Status	• Commercial: Active
Availability	• Europe
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.09 g/cm ³	1.09 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
220°C/10.0 kg	20 g/10 min	20 g/10 min	
230°C/5.0 kg	11 g/10 min	11 g/10 min	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	7980 psi	55.0 MPa	ISO 527-2
Tensile Strain (Break)	15 %	15 %	ISO 527-2
Flexural Modulus	500000 psi	3450 MPa	ISO 178
Flexural Stress	12000 psi	83.0 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength	3.3 ft·lb/in ²	7.0 kJ/m ²	ISO 180
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	203 °F	95.0 °C	ISO 306/B50
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm))	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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