

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

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.