

Technical Data Sheet

RONFALIN[®] C C110FR GF20

Polycarbonate + ABS
Engineering Plastics

| General | |
|------------------------|-------------------------------------|
| 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 ³ | 1.26 g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg) | 30 g/10 min | 30 g/10 min | ISO 1133 |
| Molding Shrinkage | 0.30 to 0.50 % | 0.30 to 0.50 % | |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Modulus | 740000 psi | 5100 MPa | ISO 527-2 |
| 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 ² | 8.00 kJ/m ² | ASTM D256 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Heat Deflection Temperature | | | |
| 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.