

# RONFALIN® C C230FR G20

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                                  | 1.25 g/cm <sup>3</sup>  | 1.25 g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg) | 17 g/10 min             | 17 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        | 827000 psi              | 5700 MPa           | ISO 527-2      |
| Tensile Stress (Break) | 10900 psi               | 75.0 MPa           | ISO 527-2/1A/5 |
| Tensile Strain (Break) | 2.5 %                   | 2.5 %              | ISO 527-2      |

  

| Impact                         | Nominal Value (English)   | Nominal Value (SI)    | Test Method |
|--------------------------------|---------------------------|-----------------------|-------------|
| Charpy Notched Impact Strength | 3.8 ft·lb/in <sup>2</sup> | 8.0 kJ/m <sup>2</sup> | ISO 179     |

  

| Thermal                            | Nominal Value (English) | Nominal Value (SI) | Test Method    |
|------------------------------------|-------------------------|--------------------|----------------|
| Heat Deflection Temperature        |                         |                    |                |
| 66 psi (0.45 MPa), Unannealed      | 270 °F                  | 132 °C             | ISO 75-2/B     |
| 264 psi (1.8 MPa), Unannealed      | 248 °F                  | 120 °C             | ISO 75-2/A     |
| Vicat Softening Temperature        | 275 °F                  | 135 °C             | ISO 306/A50    |
| Ball Pressure Test (257°F (125°C)) | Pass                    | Pass               | IEC 60695-10-2 |

  

| Flammability     | Nominal Value (English) | Nominal Value (SI) | Test Method |
|------------------|-------------------------|--------------------|-------------|
| Flame Rating     |                         |                    | UL 94       |
| 0.06 in (1.5 mm) | V-0                     | V-0                |             |
| 0.13 in (3.2 mm) | V-0                     | V-0                |             |

## Notes

These are typical property values not to be construed as specification limits.

