

## Technical Data Sheet

**Ronfalin ABS FF50 LT GRY6-1899**

Acrylonitrile Butadiene Styrene

**Product Description**

Ronfalin FF50 LT GREY 6-1899 is a Acrylonitrile Butadiene Styrene material. Features include: High Flow.

|                    |                    |
|--------------------|--------------------|
| <b>Attribute</b>   | High Flow          |
| <b>Application</b> | Business Equipment |

| Typical Properties                                      | Nominal Value | Units             | Test Method |
|---|---------------|-------------------|-------------|
| <b>Physical</b>   |               |                   |             |
| Melt Flow Rate, (220 °C/10.0 kg)                        | 33            | g/10 min          | ISO 1133    |
| Density   | 1.05          | g/cm <sup>3</sup> | ISO 1183    |
| <b>Mechanical</b>                                       |               |                   |             |
| Tensile Stress at Yield, (50 mm/min)                    | 48.0          | MPa               | ISO 527-2   |
| Flexural Modulus  | 2450          | MPa               | ISO 178     |
| <b>Impact</b>   |               |                   |             |
| Notched Izod Impact Strength, (Type 1, Notch A)         | 19            | kJ/m <sup>2</sup> | ISO 180     |
| <b>Hardness</b>   |               |                   |             |
| Ball Indentation Hardness                               | 96            | MPa               | ISO 2039-1  |
| <b>Thermal</b>  |               |                   |             |
| Vicat Softening Temperature, (B (50N), 50 °C/h)         | 96.0          | °C                | ISO 306     |
| Deflection Temperature Under Load Unannealed (0.45 MPa) | 94            | °C                | ISO 75-2/B  |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 89            | °C                | ISO 75-2/A  |
| <b>Electrical</b>                                       |               |                   |             |
| Dielectric Strength                                     | >25           | kV/mm             | IEC 60243-1 |
| Comparative Tracking Index (CTI), (Solution A)          | >600          | V                 | IEC 60112   |
| Surface Resistivity                                     | 1E+16         | ohm               | IEC 60093   |
| <b>UL Information</b>                                   |               |                   |             |
| Flame Rating, (1.6 mm)                                  | HB            |                   | UL 94       |