

## Technical Data Sheet

### Ronfalin ABS HX10 BLK10000



Acrylonitrile Butadiene Styrene

#### Product Description

Ronfalin ABS HX10 BLACK 10000 is a Acrylonitrile Butadiene Styrene material. Features include: High Heat Resistance.

**Attribute** High Heat Resistance

**Application** Automotive Applications; Automotive Electronics

| Typical Properties                                      | Nominal Value | Units             | Test Method |
|---------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                         |               |                   |             |
| Melt Flow Rate, (220 °C/10.0 kg)                        | 4.0           | 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                                        | 2500          | MPa               | ISO 178     |
| <b>Impact</b>                                           |               |                   |             |
| Notched Izod Impact Strength, (Type 1, Notch A)         | 12            | kJ/m <sup>2</sup> | ISO 180     |
| <b>Hardness</b>                                         |               |                   |             |
| Ball Indentation Hardness                               | 98            | MPa               | ISO 2039-1  |
| <b>Thermal</b>                                          |               |                   |             |
| Vicat Softening Temperature, (B (50N), 50 °C/h)         | 110           | °C                | ISO 306     |
| Deflection Temperature Under Load Unannealed (0.45 MPa) | 107           | °C                | ISO 75-2/B  |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 105           | °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       |