

## Technical Data Sheet

**Ronfalin HX10 WHITE 1-1841**

Acrylonitrile Butadiene Styrene

**Product Description**

Ronfalin HX10 WHITE 1-1841 is a Acrylonitrile Butadiene Styrene material. Features include: High Heat Resistance.

|                    |   |
|--------------------|---|
| <b>Attribute</b>   | High Heat Resistance                            |
| <b>Application</b> | Automotive Applications; Automotive Electronics |

| <b>Typical Properties</b>                               | <b>Nominal Value</b> | <b>Units</b>      | <b>Test Method</b> |
|---|----------------------|-------------------|--------------------|
| <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              |