

## 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