

## Technical Data Sheet

**Ronfalin A 30U WHI1-1039**

Acrylonitrile Butadiene Styrene

**Product Description**

General Purpose, UV stabilized ABS

**Processing Method** Injection Molding**Attribute** UV Stabilized**Resin ID** ABS

<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)	29	g/10 min	ISO 1133
Density, (Method A)	1.04	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield	37	MPa	ISO 527-2
Tensile Strain at Break	15	%	ISO 527-2
Flexural Modulus	2170	MPa	ISO 178
Tensile Modulus, (1 mm/min, Type 1A)	2050	MPa	ISO 527-1
<b>Impact</b>			
Unnotched Izod Impact Strength, (23 °C)	15	kJ/m <sup>2</sup>	ISO 180
<b>Thermal</b>			
Vicat Softening Temperature, (B (50N), 50 °C/h)	93.0	°C	ISO 306
<b>Flammable</b>			
Glow Wire Flammability Index	650	°C	IEC 60695-2-12
Glow Wire Ignition Temperature	700	°C	IEC 60695-2-13
<b>UL Information</b>			
Flame Rating, (3.2 mm)	HB		UL 94

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
Drying Time	2.0 to 4.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	230 to 250	°C
Mold Temperature	40 to 80	°C