

Technical Data Sheet

Ronfalin ABS 30U WHI1.0082

Acrylonitrile Butadiene Styrene



Product Description

General Purpose, UV stabilized ABS

Processing Method Injection Molding

Attribute UV Stabilized

Resin ID ABS

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (220 °C/10.0 kg)	29	g/10 min	ISO 1133
Density, (Method A)	1.04	g/cm ³	ISO 1183
Mechanical			
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
Impact			
Unnotched Izod Impact Strength, (23 °C)	15	kJ/m ²	ISO 180
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	93.0	°C	ISO 306
Flammable			
Glow Wire Flammability Index	650	°C	IEC 60695-2-12
Glow Wire Ignition Temperature	700	°C	IEC 60695-2-13
UL Information			
Flame Rating, (3.2 mm)	HB		UL 94

Injection Parameters	Nominal Value	Units
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