

Technical Data Sheet

Ronfalin ABS 101 WHI2579-1

Acrylonitrile Butadiene Styrene

Product Description

Ronfalin ABS 101 WHI2579-1 is a high impact ABS grade for injection molding and extrusion.

Processing Method	Injection Molding
Attribute	High Impact Resistance
Resin ID	ABS

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (220 °C/10.0 kg)	6	cm ³ /10 min	ISO 1133
Density, (Method A)	1.04	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	38.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	1900	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	30	kJ/m ²	ISO 179
Notched Izod Impact Strength, (23 °C)	34	kJ/m ²	ISO 180/A
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	94	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	101	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	96	°C	ISO 75-2/A
UL Information			
Flammability Classification, (1.6 mm)	HB		IEC 60695-11-10, -20

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