

Technical Data Sheet

Ronfalin ABS XG1138 BLK 2.0010

Acrylonitrile Butadiene Styrene

Product Description

Flame retardant ABS

Processing Method Injection Molding**Additive** Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (220 °C/10.0 kg)	30	g/10 min	ISO 1133
Density	1.2	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	46	MPa	ISO 527-2
Tensile Strain at Yield	2.5	%	ISO 527-2
Tensile Modulus	2300	MPa	ISO 527-1
Flexural Stress	78	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C)	12	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C)	No Break		ISO 179
Hardness			
Ball Indentation Hardness	96	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	96.0	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	92	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	80	°C	ISO 75-2/A
Flammable			
Glow Wire Flammability Index	960	°C	IEC 60695-2-12
UL Information			
Flame Rating			
(1.5 mm)	V-0		UL 94
(3.0 mm)	V-0		UL 94
Injection Parameters			
Drying Time	2.0 to 4.0	hr	
Drying Temperature	80	°C	
Processing (Melt) Temp	200 to 240	°C	
Injection Rate	Moderate		
Mold Temperature	40 to 80	°C	
Injection Pressure	800 to 1500	MPa	