

Technical Data Sheet

Ronfalin FF50U-AM WHITE 1-1753 Q520-6-3

Acrylonitrile Butadiene Styrene

Product Description

High melt flow ABS with added U.V stabilization and contains a biocide based on silver ion technology to preserve the product and control microbiological deterioration.

Attribute High Flow; Microbe Resistant

Additive Antimicrobial

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (220 °C/10.0 kg)	47	g/10 min	ISO 1133
Density	1.1	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus	2390	MPa	ISO 178
Flexural Strength	64	MPa	ISO 178
Tensile Modulus	2420	MPa	ISO 527-1, -2
Tensile Stress at Yield	38	MPa	ISO 527-1, -2
Tensile Strain at Break	15	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched	15	J/m	ISO 179
Charpy Impact Strength - Unnotched	78	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	78		ISO 868
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	90	°C	ISO 306
Deflection Temperature Under Load Unannealed (1.80 MPa)	75	°C	ISO 75-2/A
Electrical			
Dielectric Strength	>25	kV/mm	IEC 60243-1
Comparative Tracking Index (CTI), (Solution A)	>600	V	IEC 60112
UL Information			
Flame Rating, (3.2 mm)	HB		UL 94