

Technical Data Sheet

Ronfalin ABS 1411 M FC V NAT

Acrylonitrile Butadiene Styrene

Product Description

Good flowing ABS grade for self-colouring, for parts with matt surface finish

Processing Method Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (220 °C/10.0 kg)	8.0	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)	27.0	MPa	ISO 527-2
Nominal Tensile Strain at Break, (50 mm/min, Type 1A)	100	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	1350	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	9.0	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(-30 °C)	No Break		ISO 179
(23 °C, Type 1, Edgewise)	No Break		ISO 179
Hardness			
Rockwell Hardness, (R-Scale)	97		ISO 2039-2
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	101	°C	ISO 306
(A (10N), 50 °C/h)	106	°C	ISO 306
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302
Additional Information			
Water Absorption 23C/50RH	0.3	%	ISO 62
UL Information			
Flame Rating, (1.5 mm)	HB		UL 94