

## Technical Data Sheet

# Ronfalin ABS 1411 M FC

Acrylonitrile Butadiene Styrene

LyondellBasell Industries

Engineering Plastics

### Product Description

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

### General

Processing Method • Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.04 g/cm <sup>3</sup>	1.04 g/cm <sup>3</sup>	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 Kg)	8.0 cm <sup>3</sup> /10min	8.0 cm <sup>3</sup> /10min	ISO 1133
Water Absorption			ISO 62
Equilibrium, 73°F (23°C), 50% Rh	0.30 %	0.30 %	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	196000 psi	1350 MPa	ISO 527-1/1A/1
Tensile Stress (Yield)	3920 psi	27.0 MPa	ISO 527-2/1A/50
Nominal Tensile Strain at Break	100 %	100 %	ISO 527-2/1A/50
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	4.3 ft·lb/in <sup>2</sup>	9.0 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength			
-22°F (-30°C)	No Break	No Break	ISO 179
73°F (23°C)	No Break	No Break	ISO 179/1eU
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	97	97	ISO 2039-2
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature			
--	214 °F	101 °C	ISO 306/B50
--	223 °F	106 °C	ISO 306/A50
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302
Flame Rating (0.06 In (1.5 Mm))	HB	HB	UL 94

### Additional Information

1.) Not for use in medical or pharmaceutical applications

### Notes

These are typical property values not to be construed as specification limits.