

Technical Data Sheet

Ronfalin FG50

Acrylonitrile Butadiene Styrene
LyondellBasell Industries
Engineering Plastics

General			
Features	• General Purpose		
Uses	• Appliance Components	• General Purpose	
RoHS Compliance	• RoHS Compliant		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.05 g/cm ³	1.05 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 Kg)	18 g/10 min	18 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	6380 psi	44.0 MPa	ISO 527-2/50
Flexural Modulus	315000 psi	2180 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength	12 ft·lb/in ²	26 kJ/m ²	ISO 180/1A

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Ball Indentation Hardness	12200 psi	84.0 MPa	ISO 2039-1

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	203 °F	95.0 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	198 °F	92.0 °C	ISO 75-2/A
Vicat Softening Temperature	207 °F	97.0 °C	ISO 306/B50

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	1.0E+16 ohms	1.0E+16 ohms	IEC 60093
Electric Strength	> 640 V/mil	> 25 kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	> 600 V	> 600 V	IEC 60112

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.6 Mm))	HB	HB	UL 94

Notes

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