

Technical Data Sheet

Ronfalin STA32

Acrylonitrile Butadiene Styrene
LyondellBasell Industries
Engineering Plastics

General			
Additive	• Antistatic		
Features	• Antistatic	• High Gloss	• High Impact Resistance
Uses	• Safety Helmets		
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)	15 g/10 min	15 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	5800 psi	40.0 MPa	ISO 527-2/50
Flexural Modulus	290000 psi	2000 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength	19 ft·lb/in ²	40 kJ/m ²	ISO 180/1A
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Ball Indentation Hardness	11600 psi	80.0 MPa	ISO 2039-1
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	201 °F	94.0 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	196 °F	91.0 °C	ISO 75-2/A
Vicat Softening Temperature	203 °F	95.0 °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.