

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 <sup>3</sup>	1.05 g/cm <sup>3</sup>	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 <sup>2</sup>	40 kJ/m <sup>2</sup>	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.