

Technical Data Sheet

Ronfalin VE 822

Acrylonitrile Butadiene Styrene

LyondellBasell Industries

Engineering Plastics

Product Description

ABS compound containing a biocide based on silver ion technology

General

Features	• Flame Retardant	• Good Processability
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm ³	1.20 g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (220°C/10.0 Kg)	40 g/10 min	40 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	319000 psi	2200 MPa	ISO 527-1/1A/1
Tensile Stress (Yield)	6670 psi	46.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.5 %	2.5 %	ISO 527-2/1A/50
Flexural Stress ¹	10200 psi	70.0 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F (-20°C)	2.4 ft-lb/in ²	5.0 kJ/m ²	
73°F (23°C)	7.6 ft-lb/in ²	16 kJ/m ²	
Notched Izod Impact Strength	7.1 ft-lb/in ²	15 kJ/m ²	ISO 180/A
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Ball Indentation Hardness (H 358/30)	12900 psi	89.0 MPa	ISO 2039-1
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	199 °F	93.0 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	185 °F	85.0 °C	ISO 75-2/Af
Vicat Softening Temperature	205 °F	96.0 °C	ISO 306/B50
Ball Pressure Test (185°F (85°C))	Pass	Pass	IEC 60695-10-2
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Comparative Tracking Index (Solution B)	> 600 V	> 600 V	IEC 60112
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.04 In (1.0 Mm)	V-0	V-0	
0.06 In (1.5 Mm)	V-0	V-0	
0.12 In (3.0 Mm)	V-0	V-0	
	5VA	5VA	
Glow Wire Flammability Index			IEC 60695-2-12
0.04 In (1.0 Mm)	1760 °F	960 °C	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.04 In (1.0 Mm)	1340 °F	725 °C	
0.06 In (1.5 Mm)	1380 °F	750 °C	
0.12 In (3.0 Mm)	1380 °F	750 °C	

Additional Information

- 1.) Not for use in food contact applications
- 2.) Not for use in medical or pharmaceutical applications