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/cm³	1.20 g/cm³	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/in²	5.0 kJ/m²	
73°f (23°c)	7.6 ft·lb/in²	16 kJ/m²	
Notched Izod Impact Strength	7.1 ft·lb/in²	15 kJ/m²	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 • 5VA	• V-0 • 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