Technical Data Sheet

Ronfalin VE822F/R GRY 6-3425

Acrylonitrile Butadiene Styrene

Product Description

ABS flame retardant compound. Also available UV stabilized.This grade is also available as an antimicrobial grade which contains a biocide based on silver ion technology

Processing Method	Injection Molding
Attribute	Good Processability
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (220 °C/10.0 kg)	40	g/10 min	ISO 1133
Density, (Method A)	1.20	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	46.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	2.5	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	2200	MPa	ISO 527-1
Flexural Stress, (2.0 mm/min)	70.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	16	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	5.0	kJ/m²	ISO 179
Notched Izod Impact Strength, (Notch A)	15	kJ/m²	ISO 180
Hardness			
Ball Indentation Hardness, (H 358/30)	89.0	MPa	ISO 2039-1
Ball Pressure Test, (85 °C)	Pass		IEC 60695-10-2
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	96.0	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	93.0	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	85.0	°C	ISO 75-2/A
Electrical			
Comparative Tracking Index (CTI), (Solution B)	>600	V	IEC 60112
Flammable			
Glow Wire Flammability Index, (1.0 mm)	960	°C	IEC 60695-2-12

Glow Wire Ignition Temperature			
(1.5 mm)	750	°C	IEC 60695-2-13
(3.0 mm)	750	°C	IEC 60695-2-13
(1.0 mm)	725	°C	IEC 60695-2-13
UL Information			
Flammability Classification			
(1.0 mm)	V-0		IEC 60695-11-10, -20
(1.5 mm)	V-0		IEC 60695-11-10, -20
(3.0 mm)	V-0		IEC 60695-11-10, -20
(3.0 mm)	5VA		IEC 60695-11-10, -20