

Technical Data Sheet

Ronfalin VE820 (FR)-T1 GRY 6-1526



Acrylonitrile Butadiene Styrene

Product Description

Ronfalin VE820 (FR)-T1 GREY 6-1526 is a Acrylonitrile Butadiene Styrene material.

Additive Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (220 °C/10.0 kg)	30	g/10 min	ISO 1133
Density	1.2	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (50 mm/min)	46.0	MPa	ISO 527-2
Tensile Strain at Yield	2.5	%	ISO 527-2
Tensile Modulus	2200	MPa	ISO 527-1
Flexural Stress	70	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched	14	kJ/m ²	ISO 179
(-20 °C)	5.0	kJ/m ²	ISO 179
Notched Izod Impact Strength, (Type 1, Notch A)	15	kJ/m ²	ISO 180
Hardness			
Ball Indentation Hardness	89	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	96.0	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	93	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	85	°C	ISO 75-2/A
Electrical			
Comparative Tracking Index (CTI), (Solution B)	>600	V	IEC 60112
UL Information			
Flame Rating			
(1.6 mm)	V-0		UL 94
(3.2 mm)	V-0		UL 94