

RONFALIN® VE820

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

RONFALIN® VE820 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of RONFALIN® VE820 are:

Flame Rated

RoHS Compliant

Good Processability

Typical application of RONFALIN® VE820: Lighting Applications

General Information			
Features	Good Processability		
Uses	Lighting Fixtures		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	90.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	46.0	MPa	ISO 527-2/50
Flexural Modulus	2250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	16	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	94.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	84.0	°C	ISO 75-2/A
Vicat Softening Temperature	96.0	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Electric Strength	> 25	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94

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