

RONFALIN® VE 822

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

RONFALIN® VE 822 is an acrylonitrile butadiene styrene (ABS) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.

RONFALIN® The main features of VE 822 are:

flame retardant/rated flame

Flame Retardant

Good processability

General Information			
Features	Workability, good		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	40	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	89.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	46.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.5	%	ISO 527-2/1A/50
Flexural Stress ¹	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	5.0	kJ/m ²	ISO 179/1eA
23°C	16	kJ/m ²	ISO 179/1eA
Notched Izod Impact	15	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	93.0	°C	ISO 75-2/Bf
1.8 MPa, not annealed	85.0	°C	ISO 75-2/Af
Vicat Softening Temperature	96.0	°C	ISO 306/B50
Ball Pressure Test (85°C)	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution B)	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20

1.0 mm	V-0		IEC 60695-11-10, -20
1.5 mm	V-0		IEC 60695-11-10, -20
	V-0		
3.0 mm	5VA		IEC 60695-11-10, -20
Glow Wire Flammability Index (1.0 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.0 mm)	960	°C	IEC 60695-2-13
Additional Information			
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications			
NOTE			
1.	2.0 mm/min		

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