

RONFALIN® VE 101

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

RONFALIN® VE 101 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 101 are:

flame retardant/rated flame

Flame Retardant

General Information			
Features	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	25.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	45.0	MPa	ISO 527-2/1A/50
Fracture	40.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	8.0	%	ISO 527-2/1A/50
Flexural Modulus ¹	2700	MPa	ISO 178
Flexural Stress ²			ISO 178
4.2% strain	75.0	MPa	ISO 178
3.5% strain	74.0	MPa	ISO 178
8.5% strain	68.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	6.0	kJ/m ²	ISO 179/1eA
23°C	11	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	45	kJ/m ²	ISO 179/1eU
23°C	65	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	83.0	°C	ISO 75-2/Bf
1.8 MPa, not annealed	75.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	102	°C	ISO 306/A50

--	93.0	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	350	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.8 mm	V-0		IEC 60695-11-10, -20
1.6 mm	V-0		IEC 60695-11-10, -20
3.2 mm	V-0		IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
1.5 mm	960	°C	IEC 60695-2-12
3.0 mm	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13
1.5 mm	700	°C	IEC 60695-2-13
3.0 mm	725	°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		
2.	2.0 mm/min		

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