RONFALIN® ABS 1411 GF 30

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

30% glass fiber reinforced ABS compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.26	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	7.00	cm³/10min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	147	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	8200	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	81.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.3	%	ISO 527-2/5
Flexural Modulus [1]	6900	MPa	ISO 178
Flexural Stress [2]			ISO 178
1.9% strain	106	MPa	ISO 178
2.0% strain [3]	95.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.0	kJ/m²	ISO 179/1eA
23°C	7.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	14	kJ/m²	ISO 179/1eU
23°C	12	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	99.0	°C	ISO 75-2/Bf
1.8 MPa, not annealed	95.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	112	°C	ISO 306/A50
--	102	°C	ISO 306/B50
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093

Comparative Tracking Index (Solution A)	600	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
1.6 mm	HB		IEC 60695-11-10, -20
3.2 mm	HB		IEC 60695-11-10, -20
Glow Wire Ignition Temperature			IEC 60695-2-13
1.5 mm	700	°C	IEC 60695-2-13
3.0 mm	700	°C	IEC 60695-2-13

Additional Information
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications

Injection	Nominal Value	Unit
Drying Temperature	80	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Regrind	30	%
Processing (Melt) Temp	230 - 250	°C
Mold Temperature	40 - 80	°C

NOTE	
1.	2.0 mm/min
2.	2.0 mm/min
3.	at Break

Recommended distributors for this material

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