

RONFALIN® ABS 1412 GF 17

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

17% glass fiber reinforced ABS compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 17% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	12.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	137	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5400	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	73.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.9	%	ISO 527-2/5
Flexural Modulus ¹	5900	MPa	ISO 178
Flexural Stress			ISO 178
2.2% strain ²	112	MPa	ISO 178
2.3% strain	100	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	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	22	kJ/m ²	ISO 179/1eU
23°C	22	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	102	°C	ISO 75-2/Bf
1.8 MPa, not annealed	95.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	107	°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+15	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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT