

SCHULAMID® 612 GF33

Polyamide 612
A. Schulman Europe

Message:
33% glass fiber reinforced, Polyamide 612 compound

General Information				
Filler / Reinforcement		Glass Fiber,33% Filler by Weight		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.34	--	g/cm ³	ISO 1183/A
Water Absorption (Saturation, 23°C)	1.3	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	10000	8050	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	165	122	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.6	4.3	%	ISO 527-2/1A/5
Flexural Modulus ¹ (23°C)	8700	--	MPa	ISO 178
Flexural Stress ² (23°C)	235	--	MPa	ISO 178
Flexural Strain at Flexural Strength (23°C)	3.40	--		ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-40°C	8.0	--	kJ/m ²	
-30°C	8.0	--	kJ/m ²	
23°C	9.0	10	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-40°C	50	--	kJ/m ²	
-30°C	55	--	kJ/m ²	
23°C	60	70	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	216	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	199	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	214	--	°C	ISO 306/A50
--	209	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method

Burning Rate (2.00 mm)	< 100	--	mm/min	ISO 3795
Flame Rating				UL 94, IEC 60695-11-10, -20
1.60 mm	HB	--		
3.20 mm	HB	--		
Glow Wire Flammability Index				IEC 60695-2-12
1.50 mm	675	--	°C	
3.00 mm	700	--	°C	
Glow Wire Ignition Temperature				IEC 60695-2-13
1.50 mm	700	--	°C	
3.00 mm	725	--	°C	
Injection	Dry	Unit		
Processing (Melt) Temp	240 to 280		°C	
Mold Temperature	80.0 to 110		°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

