

SCHULAMID® 612 GF 33 HE

Polyamide 612

A. Schulman Europe

Message:

33% glass fiber reinforced, Polyamide 612 Compound, electrically neutral heat stabilized

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 33% filler by weight		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.33	--	g/cm ³	ISO 1183
Viscosity Number (H ₂ SO ₄ (Sulphuric Acid))	125	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	10500	8700	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	175	140	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.2	4.5	%	ISO 527-2/1A/5
Flexural Modulus ¹	10000	--	MPa	ISO 178
Flexural Stress ²				
3.7% strain	280	--	MPa	ISO 178
3.5% strain	280	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	8.0	--	kJ/m ²	ISO 179/1eA
23°C	11	13	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	65	--	kJ/m ²	ISO 179/1eU
23°C	80	85	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	215	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	195	--	°C	ISO 75-2/Af
Injection	Dry	Unit		
Drying Temperature	80		°C	
Drying Time	3.0 - 6.0		hr	
Suggested Max Moisture	0.040 - 0.10		%	
Suggested Max Regrind	20		%	
Processing (Melt) Temp	240 - 280		°C	

Mold Temperature	50 - 90	°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

