

SCHULAMID® 612 GF 30 H9

Polyamide 612
A. Schulman Europe

Message:
Glass fiber 30%, heat stabilized Polyamide 612

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 30% filler by weight		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.30	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8900	6800	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	160	110	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.5	6.0	%	ISO 527-2/1A/5
Flexural Modulus ¹ (23°C)	7900	--	MPa	ISO 178
Flexural Stress ²				ISO 178
3.5% strain	220	--	MPa	ISO 178
4.8% strain, 23°C	245	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-40°C	9.0	--	kJ/m ²	ISO 179/1eA
-30°C	9.3	--	kJ/m ²	ISO 179/1eA
23°C	12	14	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-40°C	74	--	kJ/m ²	ISO 179/1eU
-30°C	75	--	kJ/m ²	ISO 179/1eU
23°C	80	84	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	207	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	191	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	214	--	°C	ISO 306/A50
--	204	--	°C	ISO 306/B50
Additional Information				

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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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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

