

Badamid® PA610 GF30

Polyamide 610

Bada AG

Message:

Badamid® PA610 GF30 is a Polyamide 610 (Nylon 610) material filled with 30% glass fiber. It is available in Europe for injection molding. Primary attribute of Badamid® PA610 GF30: Flame Rated.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA610-GF30<		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.42	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	1.4	--	%	
Equilibrium, 23°C, 50% RH	0.60	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus ¹ (23°C)	7700	6200	MPa	ISO 527-2/1
Tensile Stress ² (Break, 23°C)	150	130	MPa	ISO 527-2/1A/5
Tensile Strain ³ (Break, 23°C)	3.0	3.8	%	ISO 527-2/5
Flexural Stress ⁴ (23°C)	220	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	85	--	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	210	--	°C	ISO 75-2/B
Melting Temperature (DSC) ⁵	220	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity (1.00 mm)	1.0E+12	--	ohms·cm	IEC 60093
Electric Strength (1.00 mm)	30	--	kV/mm	IEC 60243-1
Comparative Tracking Index	550	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	HB	--		

1.60 mm	HB	--
Injection	Dry	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	250 to 290	°C
Mold Temperature	60.0 to 90.0	°C

NOTE		
1.	Test Specimen according to ISO 3167, Type A	
2.	Test Specimen according to ISO 3167, Type A	
3.	Test Specimen according to ISO 3167, Type A	
4.	Test Specimen according to ISO 3167, Type A	
5.	10 K/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