

Badamid® PA610

Polyamide 610

Bada AG

Message:

Badamid® PA610 is a Polyamide 610 (Nylon 610) material. It is available in Europe for injection molding. Primary attribute of Badamid® PA610: Flame Rated.

General Information				
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA610<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.07	--	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.40	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2000	1600	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	60.0	50.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield, 23°C)	100	> 100	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	16	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break	--		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	175	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	--	°C	ISO 75-2/A
Melting Temperature (DSC) 1	220	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity (1.00 mm)	1.0E+13	--	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.	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

