

AIE PA66 60G3F

Polyamide 66

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PA66 60G3F is a Polyamide 66 (Nylon 66) material filled with 15% glass fabric. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of AIE PA66 60G3F are:

Flame Rated
Flame Retardant
Heat Resistant

General Information			
Filler / Reinforcement	Glass Fabric, 15% Filler by Weight		
Features	Flame Retardant		
	High Heat Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Molding Shrinkage	0.40 to 0.80	%	Internal Method
Water Absorption (23°C, 24 hr)	1.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	123	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	7100	MPa	ISO 178
Flexural Stress	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	16	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	255	°C	ISO 75-2/B
1.8 MPa, Unannealed	245	°C	ISO 75-2/A
Melting Temperature (DSC)	265	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI)	PLC 2		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Glow Wire Ignition Temperature (1.60 mm)	960	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	2.0 to 4.0	hr	

Processing (Melt) Temp	230 to 260	°C
Mold Temperature	50.0 to 100	°C
Injection Pressure	30.0 to 80.0	MPa

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

