

AIE PC 10G6F

Polycarbonate

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PC 10G6F is a Polycarbonate (PC) material filled with 30% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of AIE PC 10G6F are:

Flame Rated

Flame Retardant

Good Dimensional Stability

Rigid

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Flame Retardant		
	Good Dimensional Stability		
	High Rigidity		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	2.2	g/10 min	ISO 1133
Molding Shrinkage	0.20 to 0.40	%	Internal Method
Water Absorption (23°C, 24 hr)	0.40	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	130	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	7400	MPa	ISO 178
Flexural Stress	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	19	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	143	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.50 mm	V-2		
3.00 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	110 to 120	°C	

Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	265 to 300	°C
Mold Temperature	110 to 130	°C
Injection Pressure	40.0 to 100	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

