

AIE PC 10G2F

Polycarbonate

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PC 10G2F is a Polycarbonate (PC) material filled with 10% 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 10G2F are:

Flame Rated

Flame Retardant

Good Dimensional Stability

Rigid

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Flame Retardant		
	Good Dimensional Stability		
	High Rigidity		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	2.6	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)	103	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus	5400	MPa	ISO 178
Flexural Stress	125	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	15	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	146	°C	ISO 75-2/B
1.8 MPa, Unannealed	141	°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

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Recommended distributors for this material

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