

AIE PA66 60G5F

Polyamide 66

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PA66 60G5F is a Polyamide 66 (Nylon 66) material filled with 25% 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 60G5F are:

- Flame Rated
- Flame Retardant
- Good Dimensional Stability
- Rigid

General Information			
UL YellowCard	E252275-476085		
Filler / Reinforcement	Glass Fabric,25% Filler by Weight		
Features	Flame Retardant		
	Good Dimensional Stability		
	High Rigidity		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Molding Shrinkage	0.30 to 0.60	%	Internal Method
Water Absorption (23°C, 24 hr)	1.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	155	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	7900	MPa	ISO 178
Flexural Stress	220	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	18	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	256	°C	ISO 75-2/B
1.8 MPa, Unannealed	248	°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

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Recommended distributors for this material

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