

AIE PET 40G6F

Polyethylene Terephthalate
Asia International Enterprise (Hong Kong) Limited

Message:

AIE PET 40G6F is a Polyethylene Terephthalate (PET) 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 PET 40G6F are:
Flame Rated
Flame Retardant
High Gloss
Rigid

General Information			
UL YellowCard	E252275-476081		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Flame Retardant		
	High Gloss		
	High Rigidity		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm ³	ISO 1183
Molding Shrinkage	0.20 to 0.90	%	Internal Method
Water Absorption (23°C, 24 hr)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	180	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Flexural Modulus	7400	MPa	ISO 178
Flexural Stress	210	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	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	215	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	140 to 160	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	230 to 280	°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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