

AIE PBT 30G3F

Polybutylene Terephthalate
Asia International Enterprise (Hong Kong) Limited

Message:

AIE PBT 30G3F is a Polybutylene Terephthalate (PBT) 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 PBT 30G3F are:

Flame Rated
Flame Retardant
Good Dimensional Stability
Rigid

General Information			
UL YellowCard	E252275-619185		
Filler / Reinforcement	Glass Fabric, 15% Filler by Weight		
Features	Flame Retardant		
	Good Dimensional Stability		
	High Rigidity		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Molding Shrinkage	0.40 to 0.80	%	Internal Method
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	120	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	6400	MPa	ISO 178
Flexural Stress	160	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	205	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating (0.800 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	235 to 260	°C	

Mold Temperature	90.0 to 110	°C
Injection Pressure	50.0 to 120	MPa

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Recommended distributors for this material

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