

AIE PBT 3010F

Polybutylene Terephthalate

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PBT 3010F is a Polybutylene Terephthalate (PBT) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of AIE PBT 3010F are:

- Flame Rated
- Flame Retardant
- High Flow

General Information			
Features	Flame Retardant		
	High Flow		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Molding Shrinkage	0.80 to 1.6	%	Internal Method
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	60.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	80.0	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	148	°C	ISO 75-2/B
1.8 MPa, Unannealed	59.0	°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	90.0 to 120	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	230 to 245	°C	
Mold Temperature	80.0 to 100	°C	
Injection Pressure	50.0 to 120	MPa	

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Recommended distributors for this material

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