

AIE PET 4010F

Polyethylene Terephthalate
Asia International Enterprise (Hong Kong) Limited

Message:

AIE PET 4010F is a polyethylene terephthalate (PET) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.
The main characteristics of AIE PET 4010F are:
flame retardant/rated flame
Flame Retardant

General Information			
Features	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Molding Shrinkage	1.4 - 1.8	%	Internal method
Water Absorption (23°C, 24 hr)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	65.0	MPa	ISO 527-2
Tensile Strain (Break)	80	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	10	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	80.0	°C	ISO 75-2/B
1.8 MPa, not annealed	75.0	°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	100 - 140	°C	
Drying Time	6.0 - 8.0	hr	
Rear Temperature	260 - 280	°C	
Middle Temperature	260 - 280	°C	
Front Temperature	240 - 270	°C	
Nozzle Temperature	240 - 270	°C	
Mold Temperature	50.0 - 160	°C	
Injection Pressure	40.0 - 100	MPa	
Holding Pressure	40.0 - 50.0	MPa	

Back Pressure	5.00 - 10.0	MPa
Screw Speed	40 - 75	rpm
Injection instructions		

Cylinder Temperature 4: 230 to 250°C

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Recommended distributors for this material

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