

AIE PC 1010F-T5

Polycarbonate

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PC 1010F-T5 is a Polycarbonate (PC) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of AIE PC 1010F-T5 are:

- Flame Rated
- Good Toughness
- Impact Resistant

General Information			
Features	Good Toughness		
	High Impact Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	0.50 to 0.80	%	Internal Method
Water Absorption (23°C, 24 hr)	0.40	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	65.0	MPa	ISO 527-2
Tensile Strain (Break)	130	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	87.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	59	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	145	°C	ISO 75-2/B
1.8 MPa, Unannealed	139	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	120 to 125	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	275 to 315	°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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