

AIE PP 8010F

Polypropylene

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PP 8010F is a Polypropylene material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Important attributes of AIE PP 8010F are:

- Flame Rated
- Flame Retardant

General Information			
UL YellowCard	E252275-476082		
Features	Flame Retardant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Molding Shrinkage	1.4 to 1.8	%	Internal Method
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	28.0	MPa	ISO 527-2
Tensile Strain (Break)	45	%	ISO 527-2
Flexural Modulus	1770	MPa	ISO 178
Flexural Stress	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	135	°C	ISO 75-2/B
1.8 MPa, Unannealed	81.0	°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	80.0 to 90.0	°C	
Drying Time	1.0 to 2.0	hr	
Processing (Melt) Temp	160 to 190	°C	
Mold Temperature	30.0 to 70.0	°C	
Injection Pressure	30.0 to 60.0	MPa	

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Recommended distributors for this material

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