

AIE PA66 6010F

Polyamide 66

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PA66 6010F is a Polyamide 66 (Nylon 66) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of AIE PA66 6010F are:

Flame Rated

Flame Retardant

General Information			
UL YellowCard	E252275-585830		
Features	Flame Retardant		
Appearance	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Molding Shrinkage	1.3 to 2.0	%	Internal Method
Water Absorption (23°C, 24 hr)	1.7	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	83.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	3200	MPa	ISO 178
Flexural Stress	118	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	15	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	240	°C	ISO 75-2/B
1.8 MPa, Unannealed	110	°C	ISO 75-2/A
Melting Temperature (DSC)	263	°C	ISO 3146
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	230 to 260	°C	
Mold Temperature	50.0 to 100	°C	
Injection Pressure	30.0 to 80.0	MPa	

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Recommended distributors for this material

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