

AIE PA66 6010ST

Polyamide 66

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PA66 6010ST is a polyamide 66 (nylon 66) 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 features of AIE PA66 6010ST are:

- flame retardant/rated flame
- Good toughness

General Information			
Features	Good toughness		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Molding Shrinkage	1.0 - 2.0	%	Internal method
Water Absorption (23°C, 24 hr)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	120	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Flexural Stress	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	15	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	200	°C	ISO 75-2/B
1.8 MPa, not annealed	61.0	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 100	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	250 - 280	°C	
Middle Temperature	240 - 270	°C	
Front Temperature	240 - 260	°C	
Nozzle Temperature	250 - 280	°C	
Mold Temperature	50.0 - 110	°C	
Injection Pressure	30.0 - 80.0	MPa	
Holding Pressure	40.0 - 50.0	MPa	

Back Pressure	5.00 - 10.0	MPa
Screw Speed	40 - 70	rpm
Injection instructions		

Cylinder Temperature 4: 240 to 260°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

