

AIE PP 80G4

Polypropylene

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PP 80G4 is a polypropylene material, which contains a 20% glass fiber reinforced 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 PP 80G4 are:

- flame retardant/rated flame
- Heat resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Heat resistance, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Molding Shrinkage	0.20 - 0.50	%	Internal method
Water Absorption (23°C, 24 hr)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Flexural Modulus	4400	MPa	ISO 178
Flexural Stress	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	4.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	155	°C	ISO 75-2/B
1.8 MPa, not annealed	125	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 120	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	200 - 230	°C	
Middle Temperature	210 - 230	°C	
Front Temperature	210 - 230	°C	
Nozzle Temperature	200 - 220	°C	
Mold Temperature	40.0 - 60.0	°C	

Injection Pressure	30.0 - 120	MPa
Holding Pressure	40.0 - 50.0	MPa
Back Pressure	5.00 - 10.0	MPa
Screw Speed	40 - 60	rpm

Injection instructions

Cylinder Temperature 4: 180 to 200°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

