AIE PBT 30G8

Polybutylene Terephthalate

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PBT 30G8 is a polybutene terephthalate (PBT) material, which contains a filler of 40% glass fabric reinforcement. 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 PBT 30G8 are:
flame retardant/rated flame
Hard
Good dimensional stability
Heat resistance

General Information			
Filler / Reinforcement	Glass fabric reinforced material, 40% filler by weight		
Features	Good dimensional stability Rigidity, high Heat resistance, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.71	g/cm³	ISO 1183
Molding Shrinkage	0.20 - 0.30	%	Internal method
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	130	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	10000	MPa	ISO 178
Flexural Stress	190	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	20	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	225	°C	ISO 75-2/B
1.8 MPa, not annealed	212	°C	ISO 75-2/A
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	100 - 140	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	235 - 250	°C	
Middle Temperature	240 - 260	°C	

Front Temperature	240 - 260	°C
Nozzle Temperature	230 - 245	°C
Mold Temperature	50.0 - 160	°C
Injection Pressure	40.0 - 120	MPa
Holding Pressure	40.0 - 50.0	MPa
Back Pressure	5.00 - 10.0	MPa
Screw Speed	40 - 75	rpm

Injection instructions

Cylinder Temperature 4: 190 to 220°C

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Recommended distributors for this material

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