

AIE PET 40G3

Polyethylene Terephthalate
Asia International Enterprise (Hong Kong) Limited

Message:

AIE PET 40G3 is a polyethylene terephthalate (PET) material, which contains a 15% 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 characteristics of AIE PET 40G3 are:

flame retardant/rated flame

Hard

Good dimensional stability

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Molding Shrinkage	0.40 - 1.0	%	Internal method
Water Absorption (23°C, 24 hr)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	160	MPa	ISO 527-2
Tensile Strain (Break)	38	%	ISO 527-2
Flexural Modulus	5600	MPa	ISO 178
Flexural Stress	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	16	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	198	°C	ISO 75-2/B
1.8 MPa, not annealed	195	°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	6.0 - 8.0	hr	
Rear Temperature	260 - 280	°C	
Middle Temperature	260 - 280	°C	
Front Temperature	240 - 270	°C	
Nozzle Temperature	240 - 270	°C	

Mold Temperature	50.0 - 160	°C
Injection Pressure	40.0 - 100	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: 230 to 250°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

