

Bergadur™ PB40 G50 BK003

Polybutylene Terephthalate

PolyOne Corporation

Message:

50 % glass fiber reinforced PBT compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.72	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20 - 0.70	%	ISO 294
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	120	MPa	ISO 527
Flexural Modulus ²	9500	MPa	ISO 178
Flexural Strength ³	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed, 3.20 mm)	200	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 93
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	110 - 130	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	240 - 270	°C	
Middle Temperature	240 - 270	°C	
Front Temperature	240 - 270	°C	
Mold Temperature	75.0 - 95.0	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			
NOTE			
1.	5.0 mm/min		
2.	2.0 mm/min		
3.	2.0 mm/min		

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

