

Bergadur™ PBT-GL20 BK004

Polybutylene Terephthalate

PolyOne Corporation

Message:

20% glass fiber reinforced PBT compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.50 - 0.90	%	ISO 294
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	95.0	MPa	ISO 527-2
Flexural Modulus ²	6000	MPa	ISO 178
Flexural Strength ³	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	190	°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.	10 mm/min		
2.	10 mm/min		
3.	10 mm/min		

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Recommended distributors for this material

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