

Bergadur™ PB40 G15 U BK020

Polybutylene Terephthalate

PolyOne Corporation

Message:

15% glass fiber reinforced, flame retardant PBT compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Flame retardancy		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ISO 1183
Molding Shrinkage	0.50 - 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	95.0	MPa	ISO 527
Flexural Modulus ²	5800	MPa	ISO 178
Flexural Stress ³	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.2	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	195	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+13	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	110 - 130	°C	
Drying Time	4.0 - 6.0	hr	
Processing (Melt) Temp	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		

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Recommended distributors for this material

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