

Bergadur™ PB400 G/C 30 U BK075

Polybutylene Terephthalate

PolyOne Corporation

Message:

Carbon fiber and glass fiber reinforced, flame retardant PBT compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Carbon fiber reinforced material		
Additive	Flame retardancy		
Features	Electrostatic discharge protection		
	Impact resistance, good		
	Flame retardancy		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.15 - 0.25	%	ASTM D955
Transverse flow	0.65 - 0.75	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	135	MPa	ASTM D638
Flexural Modulus ²	11200	MPa	ASTM D790
Flexural Strength ³	195	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	198	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5 - 1.0E+8	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	130 - 140	°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	20.0 - 90.0	°C

Injection instructions

Injection Pressure: MED-HIGH Hold Pressure: MED-HIGH Screw Speed: MODERATE Back Pressure: LOW

NOTE

1.	5.0 mm/min
2.	1.3 mm/min
3.	1.3 mm/min

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