

Bergadur™ PB40 MI20 GR003

Polybutylene Terephthalate

PolyOne Corporation

Message:

Mineral filled PBT/PET alloy

General Information			
Filler / Reinforcement	Mineral filler		
Features	Heat resistance, high		
Appearance	Grey		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ISO 1183
Molding Shrinkage	1.2 - 1.6	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	50.0	MPa	ISO 527
Flexural Modulus ²	3200	MPa	ISO 178
Flexural Strength ³	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	1.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	180	°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)	HB		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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