

# Bergadur™ PB40 GK20

Polybutylene Terephthalate

PolyOne Corporation

## Message:

Bergadur™PB40 GK20 is a polybutene terephthalate (PBT) product containing 20% glass beads. It can be processed by injection molding and is available in Europe.

General Information			
Filler / Reinforcement	Glass beads, 20% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2
Tensile Stress	50.0	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (23°C)	30	kJ/m <sup>2</sup>	ISO 179
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 - 95	°C	
Injection instructions			

Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW

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## Recommended distributors for this material

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