

Bergadur™ PB40 Mi25 natur SO

Polybutylene Terephthalate

PolyOne Corporation

Message:

Bergadur™ PB40 Mi25 natur SO is a Polybutylene Terephthalate (PBT) product filled with 25% mineral. It is available in Europe.

Characteristics include:

RoHS Compliant

Low Shrinkage

General Information			
Filler / Reinforcement	Mineral,25% Filler by Weight		
Features	Good Flow		
	Low Shrinkage		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹ (23°C)	1.49	g/cm ³	DIN 53479
Melt Volume-Flow Rate (MVR) (250°C/1.6 kg)	20.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow ² (23°C, 4.00 mm)	0.10 to 0.40	%	ISO 294-4
Ash Content	25	%	ISO 3451
Maximum Use Temperature			IEC 60216
-- ³	140	°C	
Short Time	170	°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8200	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	108	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C, 4.00 mm)	> 2.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	> 4.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	> 60	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	224	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	3.0	hr	
Nozzle Temperature	240 to 260	°C	
Processing (Melt) Temp	230 to 250	°C	
Mold Temperature	60.0 to 80.0	°C	
NOTE			

1.	$\pm 0.03 \text{ g/cm}^3$
2.	Bergmann Method
3.	Continuous (GTP 50% Tensile)

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