

Bergadur™ PB400 G10 H UF UV

Polybutylene Terephthalate

PolyOne Corporation

Message:

Bergadur™ PB400 G10 H UF UV is a Polybutylene Terephthalate (PBT) product filled with 10% glass fiber. It is available in Europe.

Characteristics include:

- Flame Rated
- Flame Retardant
- Halogen Free
- UV Stabilized

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	UV Stabilizer		
Features	Flame Retardant		
	Halogen Free		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.38	g/cm ³	ISO 1183
Molding Shrinkage - Flow ²	0.40 to 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	4700	MPa	ISO 527-2
Tensile Stress (Break, 23°C, 4.00 mm, Injection Molded)	> 60.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C, 4.00 mm, Injection Molded)	> 3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	4.2	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C, Injection Molded)	35	kJ/m ²	ISO 179
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Comparative Tracking Index (CTI)	600	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
0.800 mm	960	°C	

1.50 mm	960	°C
3.00 mm	960	°C
Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	4.0	hr
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	60.0 to 80.0	°C
NOTE		
1.	±0.02	
2.	Bergmann method	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

