

Bergadur™ PB40 G15 U SO1 BK

Polybutylene Terephthalate

PolyOne Corporation

Message:

Bergadur™ PB40 G15 U SO1 BK is a Polybutylene Terephthalate (PBT) product filled with 15% glass fiber. It is available in Africa & Middle East or Europe. Characteristics include:

- Flame Rated
- RoHS Compliant
- Flame Retardant
- Impact Resistant

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Flame Retardant		
	Good Impact Resistance		
	Halogenated		
	Low (to None) Phosphorus Content		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹ (23°C)	1.54	g/cm ³	DIN 53479
Melt Volume-Flow Rate (MVR) (250°C/1.6 kg)	18.0	cm ³ /10min	ISO 1133
Ash Content	> 15	%	ISO 3451
Maximum Use Temperature			IEC 60216
-- ²	135	°C	
Short Time	170	°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm)	7200	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C, 4.00 mm)	97.0	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)	3.6	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	32	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	215	°C	ISO 75-2/B
Melting Temperature (DSC)	224	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 to 3.00 mm)	V-0		Internal Method
Glow Wire Flammability Index (0.800 to 3.00 mm)	960	°C	IEC 60695-2-12

NOTE

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

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