

Bergadur™ PB40 G20 UF UV

Polybutylene Terephthalate

PolyOne Corporation

Message:

Bergadur™ PB40 G20 UF UV is a Polybutylene Terephthalate (PBT) product filled with 20% glass fiber. It is available in Africa & Middle East or Europe.

Characteristics include:

Flame Rated

RoHS Compliant

Flame Retardant

Halogen Free

UV Stabilized

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	UV Stabilizer		
Features	Flame Retardant		
	Halogen Free		
	Low (to None) Phosphorus Content		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.52	g/cm ³	DIN 53479
Melt Volume-Flow Rate (MVR) (250°C/1.6 kg)	17.0	cm ³ /10min	ISO 1133
Ash Content	20	%	ISO 3451
Maximum Use Temperature			IEC 60216
-- ²	140	°C	
Short Time	170	°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6200	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	75.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	69	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
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.50 mm, ALL)	V-0	Internal Method
Glow Wire Ignition Temperature (3.00 mm)	960	°C IEC 60695-2-13
NOTE		
1.	±0.03 g/cm ³	
2.	Continuous (GTP 50% Tensile)	

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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



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