

Bergadur™ PB400 G30 H UF UV

Polybutylene Terephthalate

PolyOne Corporation

Message:

Bergadur™ PB400 G30 H UF UV is a Polybutylene Terephthalate (PBT) product filled with 30% glass fiber. It is available in Europe.

Characteristics include:

Flame Rated

Flame Retardant

Halogen Free

UV Stabilized

General Information			
UL YellowCard	E76261-100180613		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	UV Stabilizer		
Features	Flame Retardant		
	Halogen Free		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm³	ISO 1183
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	85.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.6	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	34	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	
Melting Temperature	224	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Glow Wire Flammability Index	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	110 to 130	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	230 to 270	°C	
Mold Temperature	65.0 to 95.0	°C	

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