

# Bergadur™ PB40 G10 H U colored

Polybutylene Terephthalate

PolyOne Corporation

## Message:

Bergadur™PB40 G10 H U colored is a polybutene terephthalate (PBT) product, which contains a 10% glass fiber reinforced material. It can be processed by injection molding and is available in Europe.

Features include:

flame retardant/rated flame

Flame Retardant

Impact resistance

Heat resistance

General Information			
UL YellowCard	E76261-100117844		
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Impact resistance, good		
	Heat resistance, high		
	Flame retardancy		
Appearance	Unspecified Color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup> (23°C)	1.55	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/1.2 kg)	15 - 25	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	4000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C, 4.00 mm, Injection Molded)	80.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C, 4.00 mm, Injection Molded)	> 3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (23°C)	40	kJ/m <sup>2</sup>	ISO 179
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Comparative Tracking Index (CTI)	225	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.4 to 3.0mm)	V-0		Internal method
Glow Wire Flammability Index (0.4 to 3.0mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	

Drying Time	4.0	hr
Rear Temperature	240 - 270	°C
Middle Temperature	240 - 270	°C
Front Temperature	240 - 270	°C
Mold Temperature	75 - 95	°C

Injection instructions

Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW

NOTE

1. ±0.03

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