

Bergadur™ PB40 natur TM-Z FD

Polybutylene Terephthalate

PolyOne Corporation

Message:

Bergadur™ PB40 natur TM-Z FD is a Polybutylene Terephthalate (PBT) product. It can be processed by extrusion, injection molding, or profile extrusion and is available in Europe.

Characteristics include:

- Flame Rated
- RoHS Compliant
- Impact Modified

General Information			
Additive	Impact Modifier		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		

Physical	Nominal Value	Unit	Test Method
Density ¹ (23°C)	1.19	g/cm ³	DIN 53479

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm)	1500	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C, 4.00 mm)	35.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C, 4.00 mm)	8.0	%	ISO 527-2/50

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			
-30°C	9.0	kJ/m ²	ISO 179
23°C	72	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			
-30°C	No Break		
23°C	No Break		

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	98.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	52.0	°C	ISO 75-2/A
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 (0.800 to 3.00 mm)	HB		UL 94

NOTE			
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1.

$\pm 0.03 \text{ g/cm}^3$

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