

PTS PBT-6630

Polybutylene Terephthalate

Polymer Technology and Services, LLC

Message:

PTS PBT-6630 is a polybutene terephthalate (PBT) product, which contains a 30% glass fiber reinforced material. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. PTS PBT-6630 applications include electrical/electronic applications, electrical appliances, housing and automotive industries.

Features include:

flame retardant/rated flame

Good processability

Heat resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Workability, good		
	Good electrical performance		
	Thermal stability, good		
Uses	Electrical/Electronic Applications		
	Electrical housing		
	Electrical appliances		
	Connector		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	13	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9010	MPa	ISO 527-2/1A
Tensile Stress (Break)	123	MPa	ISO 527-2/1A
Tensile Strain (Break)	3.1	%	ISO 527-2/1A
Flexural Modulus	9250	MPa	ISO 178
Flexural Stress	189	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	7.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	202	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	

Injection	Nominal Value	Unit
Drying Temperature	120 - 140	°C
Drying Time	3.0 - 4.0	hr
Nozzle Temperature	240 - 260	°C
Processing (Melt) Temp	230 - 260	°C
Mold Temperature	60.0 - 90.0	°C
Back Pressure	0.300 - 0.700	MPa

Injection instructions

Screw Speed: Medium-Fast

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Recommended distributors for this material

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