

VYPET 2130

Polybutylene Terephthalate

Lavergne Group

Message:

Vypet 2130 is a 30% fiberglass reinforced PBT alloy injection molding compound designed for structural and electrical applications.

- Features
- High temperature performances
- Excellent dimensional stability
- Typical Applications
- Appliances handles
- Spotlight
- Electrical components

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Good dimensional stability		
	Heat resistance, high		
Uses	Handle		
	Electrical/Electronic Applications		
	Components		
	Home appliance components		
	Lighting device		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.53	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	120	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	8000	MPa	ISO 178
Flexural Stress ²	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	7.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	245 - 260	°C	

Middle Temperature	250 - 265	°C
Front Temperature	255 - 270	°C
Nozzle Temperature	260 - 270	°C
Processing (Melt) Temp	255 - 270	°C
Mold Temperature	65.0 - 90.0	°C
Injection Rate	Moderate-Fast	

Injection instructions

Injection Pressure: lowBack Pressure: LowScrew Speed: slow

NOTE

1. 2.0 mm/min
2. 2.0 mm/min

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