

TechnoDur PBT-PET GF30 black (9964)

Polybutylene Terephthalate + PET

TechnoCompound GmbH

Message:

PBT/PET-Blend, injection moulding, 30% glass fibre, excellent surface, high strength and stiffness, for outdoor applications

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	High Stiffness		
	High Strength		
	Outstanding Surface Finish		
Uses	Outdoor Applications		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	10.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10500	MPa	ISO 527-2/1
Tensile Stress (Break)	150	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Flammability	Nominal Value	Test Method	
Flame Rating (0.800 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	120 to 140	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	250 to 270	°C	
Middle Temperature	250 to 270	°C	
Front Temperature	250 to 270	°C	
Nozzle Temperature	265 to 275	°C	
Processing (Melt) Temp	265 to 275	°C	
Mold Temperature	90.0 to 120	°C	
Injection Pressure	60.0 to 100	MPa	
Injection Rate	Fast		
Holding Pressure	40.0 to 80.0	MPa	
Back Pressure	1.00 to 3.00	MPa	

Screw Speed

80

rpm

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Recommended distributors for this material

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