

TechnoDur PBT-PET GF20 black (9968)

Polybutylene Terephthalate + PET

TechnoCompound GmbH

Message:

PBT/PET-Blend, injection moulding, 20% glass fibre, excellent surface, well-balanced flow ability and strength proportion, for indoor applications

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Excellent appearance		
	High strength		
	High liquidity		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	15.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7600	MPa	ISO 527-2/1
Tensile Stress (Break)	130	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flammability	Nominal Value	Test Method	
Flame Rating (0.800 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	250 - 270	°C	
Middle Temperature	250 - 270	°C	
Front Temperature	250 - 270	°C	
Nozzle Temperature	265 - 275	°C	
Processing (Melt) Temp	265 - 275	°C	
Mold Temperature	90.0 - 120	°C	
Injection Pressure	60.0 - 100	MPa	
Injection Rate	Fast		
Holding Pressure	40.0 - 80.0	MPa	
Back Pressure	1.00 - 3.00	MPa	
Screw Speed	80	rpm	

Injection instructions

Residence Time: 5 to 10 min

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Recommended distributors for this material

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