

# TechnoDur PBT-PET GF15 black (9970)

Polybutylene Terephthalate + PET

TechnoCompound GmbH

Message:

PBT/PET-Blend, injection moulding, 15% glass fibre, excellent surface, high flow ability, for outdoor applications

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Excellent appearance		
	High liquidity		
Uses	Outdoor application		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	13.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6100	MPa	ISO 527-2/1
Tensile Stress (Break)	115	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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

