

# TechnoDur PBT 4 GF10 FR

Polybutylene Terephthalate

TechnoCompound GmbH

## Message:

Our new TechnoDur PBT compound is a thermoplastic which combines great hardness, stiffness and strength. The compound is easily processed due to its perfect flow behaviour. The favourable sliding and wear characteristics as well as extremely high tenacity in temperatures below freezing are further advantages. TechnoDur is manufactured by poly-condensing terephthalic acid or dimethyl terephthalate containing butandiol-1,4 using special catalysts.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Rigidity, high		
	High strength		
	Workability, good		
	Good liquidity		
	Good wear resistance		
	High hardness		
	Flame retardancy		
Uses	Membrane key switch		
	Pump parts		
	Gear		
	Electrical/Electronic Applications		
	Home appliance components		
	Household goods		
	Application in Automobile Field		
	Automotive exterior parts		
Forms	Particle		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5600	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	kJ/m <sup>2</sup>	ISO 179/1eA
Additional Information			
Moisture Content, Infared 105°C, 15 min: <0.10%Ash Content, ISO 3451, 950°C: 10%			
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	5.0	hr	

Processing (Melt) Temp	230 - 260	°C
Mold Temperature	60.0	°C

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#### Recommended distributors for this material

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