

# TechnoPet 3520

Polyethylene Terephthalate

TechnoCompound GmbH

## Message:

TechnoPet compounds count among the thermoplastic polyesters based on polyethylene-terephthalate. They are predestined for injection moulding due to their fast crystallisation.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Additive	Impact modifier		
Features	Good dimensional stability		
	Impact modification		
	Rigidity, high		
	Crystallization		
	Thermal stability, good		
	Excellent appearance		
Uses	Packaging		
	Gear		
	Electrical/Electronic Applications		
	Electrical appliances		
	Electronic insulation		
	Household goods		
	Application in Automobile Field		
	Bearing		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8200	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	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: 20%			
Injection	Nominal Value	Unit	
Rear Temperature	255 - 275	°C	
Middle Temperature	255 - 275	°C	
Front Temperature	255 - 275	°C	

Nozzle Temperature	270 - 300	°C
Processing (Melt) Temp	260 - 300	°C
Mold Temperature	30.0 - 90.0	°C

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