# TechnoPet 3225

## 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.

Filter / Reinforcement Glass fiber reinforced material, 25% filler by weight  Features Good dimensional stability Rigidity, high Crystallization Crystallization Excellent appearance Fame retardancy  Packaging Gear Electrical Applications Electrical	General Information			
Rigidity, high Crystallization Thermal stability, good Excellent appearance Flame retardancy  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 1.62 Morninal Value Unit Test Method  Density 1.62 Morninal Value Unit Test Method  Tenside Modulus Morninal Value Unit Test Method  Unit Test Method  Unit Test Method  Tenside Modulus Morninal Value Unit Test Method  Tenside Modulus Morninal Value Unit Test Method  Unit Test Method  Unit Test Method  Unit Test Method  Test Method  Unit Test Method  Test Method  Unit Test Method  Test Method  Test Method  Unit Test	Filler / Reinforcement	Glass fiber reinforced material, 25	5% filler by weight	
Cystallization   Thermal stability, good   Excellent appearance   Flame retardancy   Flame F	Features	Good dimensional stability		
Thermal stability, good Excellent appearance Flame retardancy  Packaging Gear Electrical/Electronic Applications Electronic in Automobile Field Household goods Application in Automobile Field Bearing  Forms Protessing Method Injection moldling Physical Density 162 Nominal Value Nom		Rigidity, high		
Excellent appearance Flame retardancy  Packaging Gear Electrical/Electronic Applications Electrical appliances Electronic Insulation Household goods Application in Automobile Field Bearing  Forms Processing Method Injection molding Physical Nominal Value Unit Test Method  Density Mechanical Nominal Value Unit Test Method  Test M		Crystallization		
Fame retardancy  Packaging  Gear  Electrical/Electronic Applications Electrical Appliances Electrical appliances Electronic insulation Household goods Application in Automobile Field Bearing  Forms Processing Method Injection molding  Physical Nominal Value Unit Test Method  Density Mechanical Nominal Value Unit Test Method  Tensile Modulus Moo MPa 150 527-2  Impact Mooninal Value Unit Test Method  Tensile Modulus Test Method  Tensile Modulus Test Method  Unit Test Method  Tensile Modulus Test Method  Tensile Modulus Ten		Thermal stability, good		
		Excellent appearance		
Gear   Electrical/Electronic Applications   Electrical/Electronic Applications   Electrical appliances   Electronic insulation   Household goods   Application in Automobile Field   Bearing   Processing Method   Injection molding   Physical   Nominal Value   Unit   Test Method   Density   1.62   g/cm³   ISO 1183   Mechanical   Nominal Value   Unit   Test Method   Test Method   Test Method   Test Method   Unit   Test Method   Test Method   Test Method   Unit   Test Method   Test Method   Test Method   Unit   Test Method   Test Method   Unit   Test Method   Test Method   Unit		Flame retardancy		
Gear   Electrical/Electronic Applications   Electrical/Electronic Applications   Electrical appliances   Electronic insulation   Household goods   Application in Automobile Field   Bearing   Particle				
Electrical Applications   Electrical Applications   Electrical appliances   Electrical appliances   Electronic insulation   Household goods   Application in Automobile Field   Bearing   Particle   Processing Method   Injection molding   Injection molding   Physical   Nominal Value   Unit   Test Method   Density   1.62   g/cm³   ISO 1183   Mechanical   Nominal Value   Unit   Test Method   Test Method   Test Method   Unit   Test Method   Test Method   Test Method   Unit   Test Method   Test Method   Test Method   Unit   Test Method   Test Method   Unit   Test Method   Test Method   Unit   U	Uses			
Electronic insulation Household goods Application in Automobile Field Bearing  Forms Particle Processing Method Injection molding  Physical Nominal Value Unit Test Method Density 1.62 g/cm³ ISO 1183  Mechanical Nominal Value Unit Test Method Density 1.62 g/cm³ ISO 1183  Mechanical Nominal Value Unit Test Method Tensile Modulus 8000 MPa ISO 527-2  Impact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C) 10 Unit Test Method Charpy Notched Impact Strength (23°				
Electronic insulation Household goods Application in Automobile Field Bearing  Forms Processing Method Injection molding Physical Nominal Value Unit Test Method Density 1.62 g/cm³ ISO 1183 Mechanical Nominal Value Unit Test Method  Density Mechanical Nominal Value Unit Test Method  Density Nominal Value Unit Test Method  Test Method  Density Test Method  Don'th Test Method  Don		Electrical/Electronic Applications		
Household goods Application in Automobile Field Bearing  Forms Particle  Processing Method Injection molding  Physical Nominal Value Unit Test Method  Density 1.62 g/cm³ ISO 1183  Mechanical Nominal Value Unit Test Method  Tensile Modulus 8000 MPa ISO 527-2  Impact Nominal Value Unit Test Method  Charpy Notched Impact Strength (23°C) 10 kJ/m² ISO 179/1eA  Additional Information  Moisture Content, Infared 105°C, 15 min: <0.10% Ash Content, ISO 3451, 950°C: 25%  Injection Nominal Value Unit  Rear Temperature 230 - 265 °C  Front Temperature 230 - 265 °C  Front Temperature Size Iso 25% of C		Electrical appliances		
Application in Automobile Field Bearing  Forms Particle  Processing Method Injection molding  Physical Nominal Value Unit Test Method  Density 1.62 g/cm³ ISO 1183  Mechanical Nominal Value Unit Test Method  Tensile Modulus 8000 MPa ISO 527-2  Impact Nominal Value Unit Test Method  Charpy Notched Impact Strength (23°C) 10 kJ/m² ISO 179/1eA  Additional Information  Moisture Content, Infared 105°C, 15 min: <0.10%Ash Content, ISO 3451, 950°C: 25%  Injection Nominal Value Unit  Rear Temperature 230 - 265 °C  Front Temperature 230 - 265 °C  Front Temperature 250 - 265 °C		Electronic insulation		
Forms Particle  Processing Method Injection molding  Physical Nominal Value Unit Test Method  Density 1.62 g/cm³ ISO 1183  Mechanical Nominal Value Unit Test Method  Tensile Modulus 8000 MPa ISO 527-2  Impact Nominal Value Unit Test Method  Charpy Notched Impact Strength (23°C) 10 kJ/m² ISO 179/1eA  Additional Information  Modisure Content, Infared 105°C, 15 min: <01000 Modified Winit Service Se		Household goods		
Forms Particle  Processing Method Injection molding  Physical Nominal Value Unit Test Method  Density 1.62 g/cm³ ISO 1183  Mechanical Nominal Value Unit Test Method  Tensile Modulus 8000 MPa ISO 527-2  Impact Nominal Value Unit Test Method  Charpy Notched Impact Strength (23°C) 10 kJ/m² ISO 179/1eA  Additional Information  Moisture Content, Infared 105°C, 15 min: <0 to 15 to		Application in Automobile Field		
Processing Method Injection molding  Physical Nominal Value Unit Test Method  Density 1.62 g/cm³ ISO 1183  Mechanical Nominal Value Unit Test Method  Tensile Modulus 8000 MPa ISO 527-2  Impact Nominal Value Unit Test Method  Charpy Notched Impact Strength (23°C) 10 kJ/m² ISO 179/1eA  Additional Information  Moisture Content, Infared 105°C, 15 min: <0.1054 SASh Content, ISO 3451, 950°C: 255*  Injection Nominal Value Unit  Rear Temperature 230 - 265 °C  Middle Temperature 230 - 265 °C  Front Temperature 230 - 265 °C		Bearing		
Processing Method Injection molding  Physical Nominal Value Unit Test Method  Density 1.62 g/cm³ ISO 1183  Mechanical Nominal Value Unit Test Method  Tensile Modulus 8000 MPa ISO 527-2  Impact Nominal Value Unit Test Method  Charpy Notched Impact Strength (23°C) 10 kJ/m² ISO 179/1eA  Additional Information  Moisture Content, Infared 105°C, 15 min: <0.1054 SASh Content, ISO 3451, 950°C: 255*  Injection Nominal Value Unit  Rear Temperature 230 - 265 °C  Middle Temperature 230 - 265 °C  Front Temperature 230 - 265 °C	Forms	Particle		
Physical         Nominal Value         Unit         Test Method           Density         1.62         g/cm³         ISO 1183           Mechanical         Nominal Value         Unit         Test Method           Tensile Modulus         8000         MPa         ISO 527-2           Impact         Nominal Value         Unit         Test Method           Charpy Notched Impact Strength (23°C)         10         kJ/m²         ISO 179/1eA           Additional Information         Hoisture Content, Infared 105°C, 15 min: <0.10%Ash Content, ISO 3451, 950°C: 25%				
Density 1.62 g/cm³ ISO 1183  Mechanical Nominal Value Unit Test Method  Tensile Modulus 8000 MPa ISO 527-2  Impact Nominal Value Unit Test Method  Charpy Notched Impact Strength (23°C) 10 kJ/m² ISO 179/1eA  Additional Information  Moisture Content, Infared 105°C, 15 min: <0.10 × Ash Content, ISO 3451, 950°C: 25%  Injection Nominal Value Unit  Rear Temperature 230 - 265 °C  Middle Temperature 230 - 265 °C  Front Temperature 230 - 265 °C		<u> </u>	Unit	Test Method
Mechanical Nominal Value Unit Test Method Tensile Modulus 8000 MPa ISO 527-2 Impact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C) 10 kJ/m² ISO 179/1eA Additional Information  Moisture Content, Infared 105°C, 15 min: <0.15%Ash Content, ISO 3451, 950°C: 25% Injection Nominal Value Unit Rear Temperature 230 - 265 °C Middle Temperature 230 - 265 °C Front Temperature 230 - 265 °C				
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Additional Information  Moisture Content, Infared 105°C, 15 min: <0.10%Ash Content, ISO 3451, 950°C: 25%  Injection Nominal Value Unit  Rear Temperature 230 - 265  Middle Temperature 230 - 265  Front Temperature 230 - 265  C				
InjectionNominal ValueUnitRear Temperature230 - 265°CMiddle Temperature230 - 265°CFront Temperature230 - 265°C				
Rear Temperature 230 - 265 °C Middle Temperature 230 - 265 °C Front Temperature 230 - 265 °C	Moisture Content, Infared 105°C, 15 min: <		5%	
Middle Temperature 230 - 265 °C Front Temperature 230 - 265 °C	Injection	Nominal Value	Unit	
Front Temperature 230 - 265 °C	Rear Temperature	230 - 265	°C	
·	Middle Temperature	230 - 265	°C	
Nozzle Temperature 245 - 280 °C	Front Temperature	230 - 265	°C	
	Nozzle Temperature	245 - 280	°C	

Processing (Melt) Temp	240 - 275	°C
Mold Temperature	30.0 - 90.0	°C

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