

TEREZ PBT TM 4250

Polybutylene Terephthalate

TER HELL PLASTIC GMBH

Message:

25 % mineral reinforced PBT.
Grade for household applications with good isotropic behaviour.

General Information			
Filler / Reinforcement	Mineral,25% Filler by Weight		
Uses	Household Goods		
Physical	Nominal Value	Unit	Test Method
Density	1.51	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2
Tensile Stress (Break)	55.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	1.5	%	
Break	2.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	195	°C	ISO 75-2/B
1.8 MPa, Unannealed	95.0	°C	ISO 75-2/A

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