


TEREZ PBT TM4 250
PBT

Ter Plastics

Product Texts

25 % mineral reinforced PBT.

Grade for household applications with good isotropic behaviour.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4500	MPa	ISO 527-1/-2
Yield stress	53	MPa	ISO 527-1/-2
Yield strain	1.5	%	ISO 527-1/-2
Stress at break	55	MPa	ISO 527-1/-2
Strain at break	2	%	ISO 527-1/-2
Charpy impact strength (+23°C)	30	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	2.5	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load (1.80 MPa)	95	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	195	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10
Other properties			
ISO Data			
Water absorption	0.35	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1510	kg/m ³	ISO 1183