


TEREZ PBT 6750 T GF 30

PBT

Ter Plastics

Product Texts

Impact modified PBT, 30% glass fibre reinforced.

For injection moulded parts with a demand on impact resistance and thermal stability.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8000	MPa	ISO 527-1/-2
Tensile Strength	115	MPa	ISO 527-1/-2
Yield stress	112	MPa	ISO 527-1/-2
Yield strain	3	%	ISO 527-1/-2
Strain at break	4.4	%	ISO 527-1/-2
Charpy impact strength (+23°C)	68	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	18	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load (1.80 MPa)	186	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	196	°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
Electrical properties			
ISO Data			
Volume resistivity	1E15	Ohm*m	IEC 60093
Comparative tracking index	450	-	IEC 60112
Other properties			
ISO Data			
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1470	kg/m ³	ISO 1183