


TEREZ GT3 300 H G50 W

PA66

Ter Plastics

Product Texts

PA66 blend with partially aromatic content, 50% glass fibre reinforcement and heat stabilization. This Product is suitable for drinking water contact / coldwater.

For all kind of injection moulding parts with high requirements to stiffness which a drinking water approval is needed.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	17500 / 16500	MPa	ISO 527-1/-2
Stress at break	245 / 220	MPa	ISO 527-1/-2
Strain at break	3 / 3	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	17 / 17	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	245 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	255 / *	°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	1E12 / -	Ohm*m	IEC 60093
Electric strength	33 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
Other properties			
ISO Data			
Water absorption	4 / *	%	Sim. to ISO 62
Humidity absorption	1.4 / *	%	Sim. to ISO 62
Density	1570 / -	kg/m ³	ISO 1183