


**TEREZ GT3 300 H G40 W**

PA66

Ter Plastics

**Product Texts**

PA66 blend with partially aromatic content, 40% 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.

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	13500 / 12500	MPa	ISO 527-1/-2
Stress at break	230 / 215	MPa	ISO 527-1/-2
Strain at break	3 / 3	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	15 / 15	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	238 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	248 / *	°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
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	1E12 / -	Ohm*m	IEC 60093
Electric strength	33 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
<b>Other properties</b>			
<b>ISO Data</b>			
Water absorption	4.5 / *	%	Sim. to ISO 62
Humidity absorption	1.6 / *	%	Sim. to ISO 62
Density	1460 / -	kg/m <sup>3</sup>	ISO 1183