

**TEREZ GT3 300 H G40**

PA66

Ter Plastics

Product Texts

PA66 Blend with partial aromatic share, 40% glass fiber content and heat stabilizer
For all kind of injection molding parts with high requirements on strength

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
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 ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	15 / 15	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
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
Vicat softening temperature, 50°C/h 50N	210 / *	°C	ISO 306
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	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E12 / -	Ohm*m	IEC 60093
Surface resistivity	* / 1E13	Ohm	IEC 60093
Electric strength	33 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
ISO Data			
Water absorption	4.5 / *	%	Sim. to ISO 62
Humidity absorption	1.6 / *	%	Sim. to ISO 62
Density	1460 / -	kg/m ³	ISO 1183