

**TEREZ PC 1005 GF 10 FL**

PC

Ter Plastics

**Product Texts**

Polycarbonate, medium flowability, 10% glassfiber reinforced and flame retardant.  
 For injection moulding parts with increased requirements of rigidity.

<b>Rheological properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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**ISO Data**

Melt flow index, MFI	8	g/10min	ISO 1133
MFI temperature	300	°C	ISO 1133
MFI load	1.2	kg	ISO 1133

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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**ISO Data**

Tensile Modulus	3500	MPa	ISO 527-1/-2
Tensile Strength	60	MPa	ISO 527-1/-2
Yield strain	3	%	ISO 527-1/-2
Strain at break	7	%	ISO 527-1/-2
Charpy impact strength (+23°C)	45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	7	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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**ISO Data**

Temp. of deflection under load (1.80 MPa)	145	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	150	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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**ISO Data**

Volume resistivity	>1E13	Ohm*m	IEC 60093
Surface resistivity	>1E15	Ohm	IEC 60093
Electric strength	29	kV/mm	IEC 60243-1
Comparative tracking index	175	-	IEC 60112

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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**ISO Data**

Water absorption	0.31	%	Sim. to ISO 62
Density	1270	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

Flame retardant