



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.			
Rheological properties			
	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	8	g/10min	ISO 1133
MFI temperature	300	°C	ISO 1133
MFI load	1.2	kg	ISO 1133
Mechanical properties			
	Value	Unit	Test Standard
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 ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	7	kJ/m ²	ISO 179/1eA
Thermal properties			
	Value	Unit	Test Standard
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
Electrical properties			
	Value	Unit	Test Standard
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
Other properties			
	Value	Unit	Test Standard
ISO Data			
Water absorption	0.31	%	Sim. to ISO 62
Density	1270	kg/m ³	ISO 1183
Characteristics			
Special Characteristics			
Flame retardant			