



TEREZ PC 9005 GF 15

PC

Ter Plastics

Product Texts

Medium flowability Polycarbonate with 15% glass fibre reinforcement.

For injection moulded parts with higher stiffness.

Rheological properties	Value	Unit	Test Standard
------------------------	-------	------	---------------

ISO Data

Melt flow index, MFI	10	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	5500	MPa	ISO 527-1/-2
Tensile Strength	140	MPa	ISO 527-1/-2
Yield stress	85	MPa	ISO 527-1/-2
Yield strain	3	%	ISO 527-1/-2
Strain at break	5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	8	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
--------------------	-------	------	---------------

ISO Data

Temp. of deflection under load (1.80 MPa)	125	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	130	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	132	°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	Value	Unit	Test Standard
-----------------------	-------	------	---------------

ISO Data

Volume resistivity	1E14	Ohm*m	IEC 60093
Surface resistivity	1E16	Ohm	IEC 60093
Comparative tracking index	150	-	IEC 60112

Other properties	Value	Unit	Test Standard
------------------	-------	------	---------------

ISO Data

Water absorption	0.24	%	Sim. to ISO 62
Density	1320	kg/m ³	ISO 1183