



TEREZ PC 9005 GF 20 UV

PC

Ter Plastics

Product Texts

Polycarbonate with medium flowability, 20% glassfiber reinforced and additional UV-stabilized.
For injection moulding parts with increased demand of stiffness.

Rheological properties

ISO Data	Value	Unit	Test Standard
Melt flow index, MFI	10	g/10min	ISO 1133
MFI temperature	300	°C	ISO 1133
MFI load	1.2	kg	ISO 1133

Mechanical properties

ISO Data	Value	Unit	Test Standard
Tensile Modulus	6000	MPa	ISO 527-1/-2
Tensile Strength	145	MPa	ISO 527-1/-2
Yield stress	90	MPa	ISO 527-1/-2
Strain at break	4	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	10	kJ/m ²	ISO 179/1eA

Thermal properties

ISO Data	Value	Unit	Test Standard
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

ISO Data	Value	Unit	Test Standard
Volume resistivity	>1E13	Ohm*m	IEC 60093
Surface resistivity	>1E15	Ohm	IEC 60093
Electric strength	29	kV/mm	IEC 60243-1

Other properties

ISO Data	Value	Unit	Test Standard
Water absorption	0.29	%	Sim. to ISO 62
Density	1350	kg/m ³	ISO 1183