

TECHNICAL DATA SHEET

TEREZ® PA 6.6 7510 GF 50

TEREZ PERFORMANCE POLYMERS

PA66-GF50

Special Characteristics

U.V. stabilized or stable to weather

Product Text
Product Information

PA66 with medium viscosity, 50% glassfiber reinforced and UV resistant

For moulding parts with very high stiffness at good thermal stability.

Mechanical Properties	Value	Unit	Standard
Tensile modulus	15900	MPa	ISO 527
Stress at break	177	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Poisson's ratio	0.35		ISO 527
Charpy impact strength, +23°C	68	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	62	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8	kJ/m ²	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	230	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	240	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	
Electrical Properties	Value	Unit	Standard
Relative permittivity, 1MHz	150		IEC 62631-2-1
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E13	Ohm	IEC 62631-3-2
Comparative tracking index	500		IEC 60112

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Other Properties	Value	Unit	Standard
Water absorption	4	%	Sim. to ISO 62
Humidity absorption	1.4	%	Sim. to ISO 62
Density	1560	kg/m ³	ISO 1183