

## TECHNICAL DATA SHEET

# TEREZ® HT 100 H G40

TEREZ PERFORMANCE POLYMERS

PA6T/6I-GF40

**Special Characteristics**

Heat stabilized or stable to heat

## Product Text

**Product Information**

Standard type with medium viscosity partly aromatic Polyamid with 40% glass fiber content and heat stabilized. For all kind of injection mloading parts with high stiffness at excellent thermal stability and low moisture absorption.

**preliminary data**

Mechanical Properties	Value	Unit	Standard
Tensile modulus	14500	MPa	ISO 527
Stress at break	220	MPa	ISO 527
Strain at break	2	%	ISO 527
Poisson's ratio	0.35		ISO 527
Charpy impact strength, +23°C	70	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	330	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	280	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	290	°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
Electric strength	30	kV/mm	IEC 60243-1
Comparative tracking index	550		IEC 60112
Other Properties	Value	Unit	Standard
Water absorption	3.3	%	Sim. to ISO 62
Humidity absorption	1.5	%	Sim. to ISO 62

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Other Properties	Value	Unit	Standard
Density	1530	kg/m <sup>3</sup>	ISO 1183