TECHNICAL DATA SHEET

TEREZ® A 400 H G30

TEREZ PERFORMANCE POLYMERS

PA66-GF30

Processing

Injection molding

Special Characteristics

Heat stabilized or stable to heat

Delivery Form

Pellets

Applications

Automotive

Product Text

Product Information

Medium viscosity polyamide 66 with 30% glass fiber reinforcement.

Mechanical Properties	Value	Unit	Standard
Tensile modulus	9500	MPa	ISO 527
Stress at break	185	MPa	ISO 527
Strain at break	3	%	ISO 527
Poisson's ratio	0.35		ISO 527
Charpy impact strength, +23°C	65	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	10.5	kJ/m²	ISO 179/1eA

Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	260	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	250	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	

Other Properties	Value	Unit	Standard
Water absorption	6	%	Sim. to ISO 62
Humidity absorption	2	%	Sim. to ISO 62
Density	1360	kg/m³	ISO 1183

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Processing Recommendation Injection Molding	Value	Unit	Standard
Pre-drying - temperature	80	°C	
Pre-drying - time	4 - 8	h	
Processing humidity	≤0.1	%	
Mold temperature	40 - 80	°C	
Feed temperature	60 - 80	°C	
Zone 1	260 - 290	°C	
Nozzle temperature	270 - 300	°C	
Maximum residence time	8	min	