

Witcom PA6/6G-MTD

PA6-GF30

Wittenburg B.V.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	200	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus, 23°C	15000	MPa	ISO 178
Flexural strength	300	MPa	ISO 178
Izod impact strength, +23°C	80	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	15	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	200	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.2	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	6	%	Sim. to ISO 62
Humidity absorption	1.8	%	Sim. to ISO 62
Density	1970	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.1	%	-
Melt temperature	250 - 270	°C	-
Mold temperature	60 - 95	°C	-
Back pressure	0 - 1	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Features

Metal Detectable