

TEKUMID 6 I GF30 Nature

PA6-GF30

Tekuma Kunststoff GmbH

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	9000 / 5900	MPa	ISO 527
Yield stress	165 / 100	MPa	ISO 527
Strain at break	3 / 5.5	%	ISO 527
Flexural modulus, 23°C	7300 / 5000	MPa	ISO 178
Charpy impact strength, +23°C	75 / 90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / 22	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	200 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	210 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10

Other properties	dry / cond	Unit	Test Standard
Water absorption	6 / *	%	Sim. to ISO 62
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1360 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	>4	h	-
Melt temperature	230 - 280	°C	-
Mold temperature	40 - 80	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe