

TEKUMID 6 BH 30

PA6-GF30

Tekuma Kunststoff GmbH

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	- / 5900	MPa	ISO 527
Strain at break	- / 6	%	ISO 527
Charpy impact strength, +23°C	- / 90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	- / 20	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	205 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Glow Wire Flammability Index (GWFI)	600	°C	IEC 60695-2-12

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

Special Characteristics

Heat stabilized or stable to heat