

**TEKUMID 6 BS**

PA6

Tekuma Kunststoff GmbH

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	- / <b>1000</b>	MPa	ISO 527
Yield stress	- / <b>40</b>	MPa	ISO 527
Strain at break	- / <b>20</b>	%	ISO 527
Charpy impact strength, +23°C	- / <b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	- / <b>20</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>220 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>55 / *</b>	°C	ISO 75-1/-2
Burning behav. at thickness h	<b>HB / *</b>	class	IEC 60695-11-10
Glow Wire Flammability Index (GWFI)	<b>750</b>	°C	IEC 60695-2-12

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>8 / *</b>	%	Sim. to ISO 62
Humidity absorption	<b>3 / *</b>	%	Sim. to ISO 62
Density	<b>1140 / -</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>&gt;4</b>	h	-
Melt temperature	<b>230 - 270</b>	°C	-
Mold temperature	<b>40 - 80</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe