

**TEKUMID B H9 GF10**

PA6-GF50

Tekuma Kunststoff GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	52	g/10min	ISO 1133
Temperature	275	°C	-
Load	5	kg	-

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	13800 / 11700	MPa	ISO 527
Tensile Strength	180 / 160	MPa	ISO 527
Flexural strength	280 / 220	MPa	ISO 178
Charpy impact strength, -30°C	70 / 45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	13 / 15	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	12 / 12	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	200 / *	°C	ISO 306
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2

Other properties	dry / cond	Unit	Test Standard
Water absorption	1.3 / *	%	Sim. to ISO 62
Density	1570 / -	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	>2	h	-
Processing humidity	≤0.15	%	-
Melt temperature	260 - 290	°C	-
Mold temperature	60 - 100	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

Heat stabilized or stable to heat