

**TEKUMID B H9 GF5**

PA6-GF25

Tekuma Kunststoff GmbH

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>57</b>	g/10min	ISO 1133
Temperature	<b>275</b>	°C	-
Load	<b>5</b>	kg	-
<b>Mechanical properties</b>			
	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>8000 / 7000</b>	MPa	ISO 527
Tensile Strength	<b>140 / 120</b>	MPa	ISO 527
Flexural strength	<b>210 / 160</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>50 / 50</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>45 / 45</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>10 / 12</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>8 / 9</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>200 / *</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>200 / *</b>	°C	ISO 306
Burning behav. at thickness h	<b>HB / *</b>	class	IEC 60695-11-10
<b>Electrical properties</b>			
	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>1E13 / 1E10</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>* / 1E13</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>1.8 / *</b>	%	Sim. to ISO 62
Density	<b>1320 / -</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;2</b>	h	-
Processing humidity	<b>≤0.15</b>	%	-
Melt temperature	<b>260 - 290</b>	°C	-
Mold temperature	<b>60 - 100</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

Heat stabilized or stable to heat