

**AUROmid® GVS GF50 black**

(PA66+PA\*)-GF50

Aurora Kunststoffe GmbH

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.1 / *</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.5 / *</b>	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>15500 / 14500</b>	MPa	ISO 527
Stress at break	<b>220 / 200</b>	MPa	ISO 527
Strain at break	<b>3 / 3</b>	%	ISO 527
Charpy impact strength, +23°C	<b>85 / 75</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>70 / 60</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>12 / 11</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>12 / 11</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>260 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>235 / *</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5 / *</b>	mm	-

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>4.2 / *</b>	%	Sim. to ISO 62
Humidity absorption	<b>1.5 / *</b>	%	Sim. to ISO 62
Density	<b>1560 / -</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>4 - 6</b>	h	-
Processing humidity	<b>≤0.1</b>	%	-
Melt temperature	<b>295</b>	°C	-
Mold temperature	<b>100</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Certifications**

Recycled Resin Content

**Applications**

Electrical and Electronical

**Regional Availability**

Europe