

AUROmid® GV GF40 black

(PA66+PA*)-GF40

Aurora Kunststoffe GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	13000 / 12000	MPa	ISO 527
Stress at break	200 / 180	MPa	ISO 527
Strain at break	3 / 3	%	ISO 527
Charpy impact strength, +23°C	80 / 80	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	60 / 60	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / 10	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	9 / 9	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	235 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.5 / *	%	Sim. to ISO 62
Humidity absorption	1.4 / *	%	Sim. to ISO 62
Density	1470 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.1	%	-
Melt temperature	295	°C	-
Mold temperature	100	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Certifications

Recycled Resin Content

Applications

Electrical and Electronical

Regional Availability

Europe