

AUROmid® PA66 GF18M22 black

PA66-(MX+GF)40

Aurora Kunststoffe GmbH

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	8300 / 5000	MPa	ISO 527
Stress at break	115 / 75	MPa	ISO 527
Strain at break	2.5 / 6.5	%	ISO 527
Charpy impact strength, +23°C	45 / 80	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	40 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4.5 / 5.5	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	3.5 / -	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	210 / *	°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
Humidity absorption	1.6 / *	%	Sim. to ISO 62
Density	1440 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	290 - 300	°C	-
Mold temperature	80	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Heat stabilized or stable to heat

Certifications

Recycled Resin Content

Regional Availability

Europe