

AUROmid® PA6 black

PA6

Aurora Kunststoffe GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.0 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.3 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	2800 / 1000	MPa	ISO 527
Yield stress	70 / 40	MPa	ISO 527
Yield strain	4 / 18	%	ISO 527
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	95 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5 / 45	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4.5 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Burning behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-

Other properties	dry / cond	Unit	Test Standard
Water absorption	9 / *	%	Sim. to ISO 62
Humidity absorption	3.5 / *	%	Sim. to ISO 62
Density	1130 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	250 - 270	°C	-
Mold temperature	80 - 120	°C	-

Characteristics**Processing**

Injection Molding

Certifications

Recycled Resin Content

Delivery form

Pellets, Black

Regional Availability

Europe