

Volgamid® B2W
KuibyshevAzot
 PUBLIC JOINT-STOCK COMPANY

PA6

Unreinforced, lubricated

Mechanical Properties	Typical data (dry)	Unit	Test method
Stress at break	70	MPa	ISO 527-1/-2
Strain at break	6,5	%	ISO 527-1/-2
Flexural strength	100	MPa	ISO 178
Flexural modulus	3400	MPa	ISO 178
Charpy Impact strength (+23°C)	NB	kJ/m ²	ISO 179/1eU
Charpy notched Impact strength (+23°C)	12	kJ/m ²	ISO 179/1eA

Thermal Properties	Typical data	Unit	Test method
Melting temperature, 10°C/min	220	°C	ISO 11357
Temp. of deflection under load (1.80 MPa)	70	°C	ISO 75

Physical Properties	Typical data	Unit	Test method
Density	1100	kg/m ³	ISO 1183
Linear mold shrinkage, Flow	1.0	%	ISO 294-4
Linear mold shrinkage, Transverse	1.1	%	ISO 294-4

Processing Properties			
Injection molding temperature	245-275	°C	
Mold temperature	50-80	°C	
Drying temperature	80	°C	
Drying time	4-8	H	
Moisture content before processing	<0,15	%	

Characteristics

Designed for the production of injection molding of various products and parts in the automotive, machinery, household appliances and other industries

Disclaimer: Unless specified to the contrary, the value given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum value. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mold/die, the processing conditions and the coloring.

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