Property Data Sheet

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, 10^0C/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

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