

Grodnamid PA6

PA6

Grodno Khimvolokno

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	55	g/10min	ISO 1133
Temperature	270	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	2.0	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Tensile Strength	70	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	9	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	217	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	48	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	125	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	3.45	-	IEC 62631-2-1
Dissipation factor, 1MHz	250	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Electric strength	20.5	kV/mm	IEC 60243-1
Other properties			
Water absorption	2.3	%	Sim. to ISO 62
Density	1130	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Granules, Natural Color

Special Characteristics

Transparent

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa