

Grodnamid PA6-HBK-GF30P(W)

PA6-GF30

Grodno Khimvolokno

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	25	g/10min	ISO 1133
Temperature	270	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	7800	MPa	ISO 527
Tensile Strength	148	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus, 23°C	8000	MPa	ISO 178
Charpy impact strength, +23°C	70	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10	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	195	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	205	°C	ISO 75-1/-2
Electrical properties			
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E13	Ohm	IEC 62631-3-2
Other properties			
Water absorption	1.4	%	Sim. to ISO 62
Humidity absorption	2.1	%	Sim. to ISO 62
Density	1350	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Coating

Delivery form

Granules

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

Acid Resistance, Alkali Resistance, General Chemical Resistance, Oil Resistance

Applications

Electrical and Electronical

Regional Availability

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