

**Grodnamid PA6-GF30W**

PA6-GF30

Grodno Khimvolokno

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>25</b>	g/10min	ISO 1133
Temperature	<b>270</b>	°C	-
Load	<b>2.16</b>	kg	-
Molding shrinkage, parallel	<b>0.7</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>8000</b>	MPa	ISO 527
Tensile Strength	<b>145</b>	MPa	ISO 527
Strain at break	<b>4</b>	%	ISO 527
Flexural modulus, 23°C	<b>8200</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>80</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>12</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>217</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>185</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>205</b>	°C	ISO 75-1/-2
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>1E13</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E13</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Water absorption	<b>1.3</b>	%	Sim. to ISO 62
Humidity absorption	<b>2.1</b>	%	Sim. to ISO 62
Density	<b>1350</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding, Coating

**Delivery form**

Granules

**Additives**

Lubricants

**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