

Grodnamid PA6-H-GF25P

PA6-GF25

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	7000	MPa	ISO 527
Tensile Strength	125	MPa	ISO 527
Strain at break	4.5	%	ISO 527
Flexural modulus, 23°C	7300	MPa	ISO 178
Charpy impact strength, +23°C	62	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	175	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	185	°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	1.6	%	Sim. to ISO 62
Humidity absorption	2.2	%	Sim. to ISO 62
Density	1300	kg/m ³	ISO 1183

Characteristics**Delivery form**

Granules

Special Characteristics

Heat stabilized or stable to heat

Features

Tribologic Grade

Applications

Automotive

Regional Availability

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