

Grodnamid PA6-H-GF45PW

PA6-GF45

Grodno Khimvolokno

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	20	g/10min	ISO 1133
Temperature	270	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	11500	MPa	ISO 527
Tensile Strength	170	MPa	ISO 527
Strain at break	3.5	%	ISO 527
Flexural modulus, 23°C	12000	MPa	ISO 178
Charpy impact strength, +23°C	80	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12	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	215	°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	0.8	%	Sim. to ISO 62
Humidity absorption	1.9	%	Sim. to ISO 62
Density	1450	kg/m ³	ISO 1183

Characteristics**Delivery form**

Granules

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Features

Creep Resistance

Applications

Automotive

Regional Availability

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