

**Product Texts**

Product-nomenclature: ISO 16396-PA66 PA6I/X,GF60,M1H,C14-220

Co Polyamide

Partially aromatic Polyamide

**Product Attributes**

Improved flowability and demoulding, Improved heat resistance

**Markets**

**Automotive**

Air intake sytems, Compressed air systems, Hydraulic systems, Automotive electr. and electronics, lighting, Cooling and climate control, Powertrain and Chassis, Interior, Exterior

**Electricals & Electronics**

Electrical appliances, Electrical equipment, Connectors, Energy distribution, Mobile phones and other portable devices, Lighting

**Industry & Consumer goods**

Housewares, Hydraulics & Pneumatics, Mechanical Engineering, Power transmission, Sports & Leisure, Tools & Accessories

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	0.3 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	22000 / 21000	MPa	ISO 527
<sup>[C]</sup> Stress at break	260 / 240	MPa	ISO 527
<sup>[C]</sup> Strain at break	2 / 2	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	80 / 80	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	80 / 80	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	14 / 14	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	13 / 13	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	235 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 8.00 MPa	175 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	15 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	90 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Volume resistivity	1E12 / 1E12	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2

## Grivory GV-6H EF natural

PA\*-GF60

EMS-GRIVORY | a unit of EMS-CHEMIE AG

[C] Electric strength	<b>33 / 33</b>	kV/mm	IEC 60243-1
[C] Comparative tracking index	<b>- / 600</b>	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	<b>3.5 / *</b>	%	Sim. to ISO 62
[C] Humidity absorption	<b>1.2 / *</b>	%	Sim. to ISO 62
[C] Density	<b>1690 / -</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

### Characteristics

#### Processing

Injection Molding

#### Features

Copolymer

#### Delivery form

Granules, Natural Color

#### Applications

Automotive, Electrical and Electronical, Sports Equipment

#### Special Characteristics

Heat stabilized or stable to heat

#### Regional Availability

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