

**Product Texts**

Product-nomenclature: ISO 16396-PA6/12,,FT,C16-020

Co Polyamide

**Product Attributes**

Highly flexible, High viscosity, Highly transparent, Barrier material

**Markets**

**Packaging**  
Oriented film

**Approvals**

**Food Contact**  
EU Requirements

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	<b>120 / *</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>275 / *</b>	°C	-
Load	<b>5 / *</b>	kg	-

[C]: CAMPUS

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>- / 500</b>	MPa	ISO 527

[C]: CAMPUS

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	<b>190 / *</b>	°C	ISO 11357-1/-3

[C]: CAMPUS

<b>Optical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Gloss, 60°	<b>130 / *</b>	-	ISO 2813

[C]: CAMPUS

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<sup>[C]</sup> Water absorption	<b>8 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>2 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1100 / -</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

<b>Film Properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Stress at yield, parallel	<b>28 / *</b>	MPa	ISO 527-3
<sup>[C]</sup> Stress at yield, normal	<b>28 / *</b>	MPa	ISO 527-3
<sup>[C]</sup> Strain at yield, parallel	<b>10 / *</b>	%	ISO 527-3
<sup>[C]</sup> Strain at yield, normal	<b>10 / *</b>	%	ISO 527-3
<sup>[C]</sup> Maximum strain, parallel	<b>900 / *</b>	%	ISO 527-3
<sup>[C]</sup> Maximum strain, normal	<b>900 / *</b>	%	ISO 527-3
<sup>[C]</sup> Elmendorf Tear resistance, parallel	<b>20 / *</b>	N	ISO 6383-2
<sup>[C]</sup> Elmendorf Tear resistance, normal	<b>20 / *</b>	N	ISO 6383-2
<sup>[C]</sup> Trouser Tear resistance, parallel	<b>65 / *</b>	N/mm	ISO 6383-1
<sup>[C]</sup> Trouser Tear resistance, normal	<b>65 / *</b>	N/mm	ISO 6383-1

## Grilon CR 8 natural

PA612

EMS-GRIVORY | a unit of EMS-CHEMIE AG

<sup>[C]</sup> WVTR, 23°C/85%r.h.	<b>15 / *</b>	g/(m <sup>2</sup> *d)	ISO 15106-1/-2
<sup>[C]</sup> Oxygen transmission rate, 23°C/0%r.h.	<b>80 / *</b>	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
<sup>[C]</sup> Oxygen transmission rate, 23°C/85%r.h.	<b>90 / *</b>	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
<sup>[C]</sup> Carbon Dioxide transm. rate, 23°C/0%r.h.	<b>300 / *</b>	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
<sup>[C]</sup> Carbon Dioxide transm. rate, 23°C/85%r.h.	<b>800 / *</b>	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2

[C]: CAMPUS

### Characteristics

#### Processing

Film Extrusion, Other Extrusion, Thermoforming

#### Certifications

Food contact

#### Delivery form

Granules, Natural Color

#### Applications

Packaging

#### Special Characteristics

Transparent

#### Regional Availability

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

#### Features

Barrier Properties, Copolymer