

## Grivory G 25

PA6I/6T

EMS-GRIVORY | a unit of EMS-CHEMIE AG

## Product Texts

Product designation according to ISO 1874:

PA 6I/6T, FT, 12-030

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	<b>3000 / 3000</b>	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	<b>8 / 8</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	<b>8 / 2</b>	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
Glass transition temperature (10°C/min)	<b>125 / -</b>	°C	ISO 11357-1/-2

Other properties	dry / cond	Unit	Test Standard
Water absorption	<b>7 / -</b>	%	Sim. to ISO 62
Humidity absorption	<b>2 / -</b>	%	Sim. to ISO 62
Density	<b>1180 / -</b>	kg/m <sup>3</sup>	ISO 1183

Film Properties	dry / cond	Unit	Test Standard
Stress at yield (parallel)	<b>85 / -</b>	MPa	ISO 527-3
Stress at yield (normal)	<b>85 / -</b>	MPa	ISO 527-3
Strain at yield (parallel)	<b>5 / -</b>	%	ISO 527-3
Strain at yield (normal)	<b>5 / -</b>	%	ISO 527-3
Maximum strain (parallel)	<b>300 / -</b>	%	ISO 527-3
Maximum strain (normal)	<b>300 / -</b>	%	ISO 527-3
Elmendorf Tear resistance (parallel)	<b>10 / -</b>	N	ISO 6383-2
Elmendorf Tear resistance (normal)	<b>10 / -</b>	N	ISO 6383-2
Trouser Tear resistance (parallel)	<b>5 / -</b>	N/mm	ISO 6383-1
Trouser Tear resistance (normal)	<b>5 / -</b>	N/mm	ISO 6383-1
Gloss, 60°	<b>160 / -</b>	-	ISO 2813
WVTR (23°C/85%r.h.)	<b>7 / -</b>	g/(m <sup>2</sup> *d)	ISO 15106-1/-2
Oxygen transmission rate (23°C/0%r.h.)	<b>30 / -</b>	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
Oxygen transmission rate (23°C/85%r.h.)	<b>10 / -</b>	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
Carbon Dioxide transm. rate (23°C/0%r.h.)	<b>90 / -</b>	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
Carbon Dioxide transm. rate (23°C/85%r.h.)	<b>40 / -</b>	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
Stress at break (parallel)	<b>85</b>	MPa	ISO 527-3
Stress at break (normal)	<b>85</b>	MPa	ISO 527-3

Rheo/Phys properties	dry / cond	Unit	Test Standard
Melt volume-flow rate (MVR)	<b>12 / -</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>275 / -</b>	°C	ISO 1133
Load	<b>5 / -</b>	kg	ISO 1133

## Characteristics

## Processing

Extrusion - blow molding, Injection (stretch) blow molding

## Delivery form

Granules

## Product Attributes

Barrier Properties, High viscosity, Partially aromatic Polyamide

## Packaging

Blow moulded containers, Injectionstretchblowmoulded containers, Tubes, Cosmetics / Personal care

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**Special Characteristics**

Transparent

**Food Contact**

EU Requirements, FDA

**Regional Availability**

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

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