

**Product Texts**

Product-nomenclature: ISO 16396-PA6,MD30,M1F2HR,S14-060N

**Product Attributes**

Flame retardant, Improved UV resistance (outdoor use)

**Markets**

**Electricals & Electronics**

Electrical equipment, Connectors, Energy distribution

**Industry & Consumer goods**

Housewares, Mechanical Engineering, Sports & Leisure, Tools & Accessories

**Approvals**

**Burning Behaviour**

UL V2

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	<b>0.8 / *</b>	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	<b>0.9 / *</b>	%	ISO 294-4, 2577

<sup>[C]</sup>: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>6400 / 2800</b>	MPa	ISO 527
<sup>[C]</sup> Yield stress	<b>85 / 40</b>	MPa	ISO 527
<sup>[C]</sup> Yield strain	<b>3 / 6</b>	%	ISO 527
<sup>[C]</sup> Nominal strain at break	<b>3 / 45</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>40 / 85</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	<b>35 / 35</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>3 / 4</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	<b>2 / 2</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<sup>[C]</sup>: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	<b>222 / *</b>	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>100 / *</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 8.00 MPa	<b>50 / *</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	<b>70 / *</b>	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	<b>80 / *</b>	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	<b>V-2 / *</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8 / *</b>	mm	-

<sup>[C]</sup>: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Water absorption	<b>8 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>3 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1370 / -</b>	kg/m <sup>3</sup>	ISO 1183

<sup>[C]</sup>: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Applications**

Electrical and Electronical, Sports Equipment

## Grilon BM-30 FR natural

PA6-MD30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

### Delivery form

Granules, Natural Color

### Special Characteristics

Flame retardant, U.V. stabilized or stable to weather

### Regional Availability

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