

**Product Texts**

Product-nomenclature: ISO 16396-PA6,MD30,M1HLR,C14-190N

**Product Attributes**

Improved UV resistance (outdoor use)

**Markets**

**Automotive**  
Interior, Exterior  
**Industry & Consumer goods**  
Mechanical Engineering, Sports & Leisure

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	0.5 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	9000 / 4000	MPa	ISO 527
<sup>[C]</sup> Stress at break	90 / 45	MPa	ISO 527
<sup>[C]</sup> Strain at break	2 / 5	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	25 / 40	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	30 / 25	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	3 / 6	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	3 / 3	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	222 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	155 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 8.00 MPa	60 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	90 / *	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	1E11 / 1E9	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / 1E11	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	34 / 30	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Water absorption	7 / *	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	2 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1370 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

## Grilon XE 5004 natural

PA6

EMS-GRIVORY | a unit of EMS-CHEMIE AG

### Processing

Injection Molding

### Delivery form

Granules, Natural Color

### Special Characteristics

Light stabilized or stable to light, U.V. stabilized or stable to weather

### Applications

Automotive, Sports Equipment

### Regional Availability

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