

**Product Texts**

Product-nomenclature: SO 16396-PA 12,CF30,M1G,C12-190N

**Product Attributes**

Improved heat resistance, Anti-static

**Markets**

**Automotive**

Automotive electr. and electronics, lighting, Cooling and climate control, Fuel systems, Powertrain and Chassis, Interior, Exterior

**Electricals & Electronics**

Electrical appliances, Electrical equipment, Connectors, Energy distribution

**Industry & Consumer goods**

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

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
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**ISO Data**

<sup>[C]</sup> Molding shrinkage, normal	<b>0.1 / *</b>	%	ISO 294-4, 2577
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[C]: CAMPUS

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
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**ISO Data**

<sup>[C]</sup> Tensile Modulus	<b>22500 / 19000</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>315 / 250</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>1.6 / 1.7</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>55 / 65</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	<b>55 / 65</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>16 / 16</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	<b>20 / 20</b>	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
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**ISO Data**

<sup>[C]</sup> Melting temperature, 10°C/min	<b>178 / *</b>	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>170 / *</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 8.00 MPa	<b>160 / *</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	<b>50 / *</b>	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8 / *</b>	mm	-

[C]: CAMPUS

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
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**ISO Data**

<sup>[C]</sup> Volume resistivity	<b>- / 50</b>	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	<b>* / 50</b>	Ohm	IEC 62631-3-2

[C]: CAMPUS

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
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<sup>[C]</sup> Water absorption	<b>4.7 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>0.6 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1150 / -</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Granules

**Special Characteristics**

Anti-static, Light stabilized or stable to light, Heat stabilized or stable to heat

**Regional Availability**

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