

Product Texts

Product-nomenclature: ISO16396-PA66 PA6,MD40,M1HR,C14-070N

Product Attributes

Improved heat resistance

Markets

Automotive

Powertrain and Chassis, Exterior

Electricals & Electronics

Electrical appliances, Electrical equipment

Industry & Consumer goods

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

Approvals

Potable Water Contact

WRAS

Processing/Physical Characteristics **dry / cond** **Unit** **Test Standard**

ISO Data

^[C] Molding shrinkage, parallel	1.1 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties **dry / cond** **Unit** **Test Standard**

ISO Data

^[C] Tensile Modulus	6000 / 3800	MPa	ISO 527
^[C] Stress at break	90 / 65	MPa	ISO 527
^[C] Strain at break	7 / 22	%	ISO 527
^[C] Charpy impact strength, +23°C	80 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	4 / 5	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties **dry / cond** **Unit** **Test Standard**

ISO Data

^[C] Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	110 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	70 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	70 / *	E-6/K	ISO 11359-1/-2
^[C] 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**

ISO Data

^[C] Volume resistivity	1E11 / 1E10	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E11	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties **dry / cond** **Unit** **Test Standard**

^[C] Water absorption	6 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2 / *	%	Sim. to ISO 62
^[C] Density	1460 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Grilon TSM-40/4 natural

PA666-MD40

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Processing

Injection Molding

Delivery form

Granules, Natural Color

Special Characteristics

Heat stabilized or stable to heat

Certifications

Drinking water contact

Applications

Automotive, Electrical and Electronical, Sports Equipment

Regional Availability

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