

Product Texts

Product-nomenclature: ISO 16396-PA66 PA6,GF15,M1HR,C14-060N

Product Attributes

Improved flowability and demoulding

Markets

Automotive

Air intake systems, Automotive electr. and electronics, lighting, Powertrain and Chassis, Interior

Electricals & Electronics

Electrical appliances, Electrical equipment

Industry & Consumer goods

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

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	6000 / 3500	MPa	ISO 527
^[C] Stress at break	120 / 80	MPa	ISO 527
^[C] Strain at break	3 / 15	%	ISO 527
^[C] Charpy impact strength, +23°C	40 / 80	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	40 / 40	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	6 / 9	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	5 / 4	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	210 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	65 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	30 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	80 / *	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 / 1E9	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
^[C] Electric strength	10 / 37	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	6 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2.5 / *	%	Sim. to ISO 62
^[C] Density	1240 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Grilon TSG-15/4 natural

PA666-GF15

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Characteristics

Processing

Injection Molding

Delivery form

Granules, Natural Color

Applications

Automotive, Electrical and Electronical, Sports Equipment

Regional Availability

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