

Product Texts

Product-nomenclature: ISO 16396-PA6,(GF MD)30X,M1HR,S14-060N

Markets

Automotive

Cooling and climate control, Powertrain and Chassis, Interior

Electricals & Electronics

Electrical appliances, Electrical equipment

Industry & Consumer goods

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

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	6500 / 2300	MPa	ISO 527
^[C] Stress at break	105 / 45	MPa	ISO 527
^[C] Strain at break	3 / 15	%	ISO 527
^[C] Charpy impact strength, +23°C	40 / 60	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	40 / 35	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	4 / 10	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	3 / 3	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	222 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	175 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	50 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	35 / *	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	1E12 / 1E10	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E12	Ohm	IEC 62631-3-2
^[C] Electric strength	34 / 30	kV/mm	IEC 60243-1
^[C] Comparative tracking index	- / 500	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	8 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2.5 / *	%	Sim. to ISO 62
^[C] Density	1380 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Grilon BGM-30 X natural

PA6-GF30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

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