

Product Texts

Product-nomenclature: ISO 16396-PA 66 PA6,MD30,M1HR,C14-050N

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

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	1.4 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.4 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	4800 / 2100	MPa	ISO 527
^[C] Stress at break	85 / 50	MPa	ISO 527
^[C] Strain at break	7 / 35	%	ISO 527
^[C] Charpy impact strength, -30°C	40 / 50	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	4 / 5	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	3 / 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	100 / *	°C	ISO 75-1/-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	1330 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Applications

Automotive, Electrical and Electronical, Sports Equipment

Grilon TSM-30/4 natural

PA666-MD30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Delivery form

Granules, Natural Color

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

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