

Product Texts

Product-nomenclature: ISO 16396-PA6,GF50,M1HR,S12-190N

Product Attributes

Improved flowability and demoulding

Markets

Automotive

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

Electricals & Electronics

Electrical appliances, Electrical equipment, Connectors

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	0.1 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.5 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	17200 / 11500	MPa	ISO 527
^[C] Stress at break	240 / 155	MPa	ISO 527
^[C] Strain at break	3 / 6	%	ISO 527
^[C] Charpy impact strength, +23°C	90 / 95	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	85 / 90	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	15 / 25	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	11 / 12	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	215 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	180 / *	°C	ISO 75-1/-2
^[C] Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.5 / *	%	Sim. to ISO 62
^[C] Density	1580 / -	kg/m ³	ISO 1183

[C]: CAMPUS

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