

Product Texts

Product-nomenclature: ISO 16396-PA 12,GF50,M1G,C12-140N

Product Attributes

Improved UV resistance (outdoor use)

Markets

Industry & Consumer goods

Housewares, Mechanical Engineering, Sports & Leisure

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.4 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	- / 13500	MPa	ISO 527
^[C] Stress at break	- / 195	MPa	ISO 527
^[C] Strain at break	- / 2.3	%	ISO 527
^[C] Charpy impact strength, +23°C	- / 90	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	- / 90	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	- / 35	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	- / 35	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	178 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	170 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	160 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	10 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	50 / *	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

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	0.8 / *	%	Sim. to ISO 62
^[C] Humidity absorption	0.4 / *	%	Sim. to ISO 62
^[C] Density	1470 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Granules, Black

Special Characteristics

U.V. stabilized or stable to weather

Applications

Sports Equipment

Regional Availability

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