

Product Texts

Product-nomenclature: ISO 16396-PA12,GF30,M1R,C22-060

Product Attributes

Improved impact resistance, Improved heat resistance, Improved UV resistance (outdoor use)

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	- / 5700	MPa	ISO 527
^[C] Stress at break	- / 110	MPa	ISO 527
^[C] Strain at break	- / 8	%	ISO 527
^[C] Charpy impact strength, +23°C	75 / 80	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	75 / 80	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	20 / 20	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	15 / 15	kJ/m ²	ISO 179/1eA
^[C] Shore D hardness	77 / *	-	ISO 7619-1

[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	160 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	90 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	- / 1E12	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E12	Ohm	IEC 62631-3-2
^[C] Comparative tracking index	- / 600	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1.1 / *	%	Sim. to ISO 62
^[C] Humidity absorption	0.6 / *	%	Sim. to ISO 62
^[C] Density	1220 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Granules, Black

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

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