

Product Texts

Product-nomenclature: ISO 16396-PA612,GF30,M1HR,C18-090N

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9500 / 7500	MPa	ISO 527
^[C] Stress at break	150 / 120	MPa	ISO 527
^[C] Strain at break	3.5 / 4.5	%	ISO 527
^[C] Charpy impact strength, +23°C	80 / 70	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	60 / 60	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	11 / 13	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	9 / 9	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	216 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	195 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	120 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	30 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	100 / *	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	1E10 / 1E10	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E11	Ohm	IEC 62631-3-2
^[C] Electric strength	36 / 36	kV/mm	IEC 60243-1
^[C] Comparative tracking index	- / 600	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	2 / *	%	Sim. to ISO 62
^[C] Humidity absorption	0.9 / *	%	Sim. to ISO 62
^[C] Density	1300 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Delivery form

Granules, Black

Regional Availability

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