

Product Texts

Product-nomenclature: ISO 16396-PA6T/6I,CF30,M1H,C12-250

Markets**Electricals & Electronics**

Electrical appliances, Electrical equipment

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	25500 / 25500	MPa	ISO 527
^[C] Stress at break	275 / 275	MPa	ISO 527
^[C] Strain at break	1.5 / 1.5	%	ISO 527
^[C] Charpy impact strength, +23°C	40 / 40	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	35 / 35	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	5 / 5	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	5 / 5	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	320 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	280 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	210 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	7 / *	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

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	10 / 10	Ohm*m	IEC 62631-3-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	3.5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.8 / *	%	Sim. to ISO 62
^[C] Density	1330 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Delivery form**

Black

Applications

Electrical and Electronical

Regional Availability

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