

Product Texts

Product-nomenclature: ISO 16396-PA6T/66,GF33,M1H,C14-110

Co Polyamide

Partially aromatic Polyamide

Product Attributes

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

Markets**Automotive**

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

Electricals & Electronics

Electrical appliances, Electrical equipment, Connectors

Industry & Consumer goods

Housewares, Hydraulics & Pneumatics, 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	0.9 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	11000 / 11000	MPa	ISO 527
^[C] Stress at break	200 / 180	MPa	ISO 527
^[C] Strain at break	2.5 / 2.5	%	ISO 527
^[C] Charpy impact strength, +23°C	55 / 55	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	50 / 45	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	10 / 10	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	9 / 9	kJ/m ²	ISO 179/1eA
^[C] Shore D hardness	87 / *	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	310 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 8.00 MPa	200 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	60 / *	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	1E11 / 1E11	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E12	Ohm	IEC 62631-3-2
^[C] Electric strength	38 / 37	kV/mm	IEC 60243-1
^[C] Comparative tracking index	- / 600	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2 / *	%	Sim. to ISO 62
^[C] Density	1440 / -	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

Features

Copolymer

Applications

Automotive, Electrical and Electronical, Sports Equipment

Regional Availability

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