

Product Texts

Product-nomenclature: ISO 16396-PA6T/66,CF30,M1H,C14-250

Co Polyamide

Partially aromatic Polyamide

Product Attributes

Improved friction & wear properties, Improved alcohol resistance, Improved heat resistance, Anti-static

Markets

Automotive

Compressed air systems, Hydraulic systems, Automotive electr. and electronics, lighting, Fuel systems, Powertrain and Chassis, Interior

Electricals & Electronics

Electrical appliances, Electrical equipment

Industry & Consumer goods

Housewares, Hydraulics & Pneumatics, Mechanical Engineering, Power transmission, 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	0.5 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	24500 / 24000	MPa	ISO 527
^[C] Stress at break	275 / 265	MPa	ISO 527
^[C] Strain at break	2 / 2	%	ISO 527
^[C] Charpy impact strength, +23°C	55 / 55	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	50 / 50	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	8 / 8	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	7 / 7	kJ/m ²	ISO 179/1eA
^[C] Shore D hardness	89 / *	-	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	245 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	15 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	75 / *	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] Surface resistivity	* / 100	Ohm	IEC 62631-3-2

[C]: CAMPUS

Grivory HT2C-3 X black 9833

PA6T/66-GF30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	4.5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.5 / *	%	Sim. to ISO 62
^[C] Density	1320 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Granules, Black

Special Characteristics

Anti-static, Heat stabilized or stable to heat

Regional Availability

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