

Product Texts

Product-nomenclature: ISO 16396-PA 6I/X,,GT,C12-030

Co Polyamide

Partially aromatic Polyamide

Transparent Polyamide

Product Attributes

Hydrolysis resistant, Flame retardant, Highly transparent, Barrier material

Markets

Automotive

Compressed air systems, Automotive electr. and electronics, lighting, Cooling and climate control, Fuel systems, Powertrain and Chassis, Interior

Electricals & Electronics

Electrical appliances, Electrical equipment, Connectors, Energy distribution, Mobile phones and other portable devices, Lighting

Industry & Consumer goods

Medical devices

Packaging

Injectionstretchblowmoulded containers

Approvals

Burning Behaviour

UL V2

Food Contact

EU Requirements, FDA

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.7 / *	%	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	2900 / 2800	MPa	ISO 527
^[C] Yield stress	105 / 90	MPa	ISO 527
^[C] Yield strain	7 / 6	%	ISO 527
^[C] Nominal strain at break	>50 / >50	%	ISO 527
^[C] Charpy impact strength, +23°C	- / N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	- / N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	- / 12	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	- / 12	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Glass transition temperature, 10°C/min	160 / *	°C	ISO 11357-1/-2
^[C] Temp. of deflection under load, 1.80 MPa	125 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	135 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	60 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	60 / *	E-6/K	ISO 11359-1/-2

Grilamid TR 30 LS natural

PA*

EMS-GRIVORY | a unit of EMS-CHEMIE AG

^[C] Burning Behav. at thickness h	V-2 / *	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	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E12	Ohm	IEC 62631-3-2
^[C] Electric strength	- / 27	kV/mm	IEC 60243-1
^[C] Comparative tracking index	- / 600	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	9 / *	%	Sim. to ISO 62
^[C] Humidity absorption	3.5 / *	%	Sim. to ISO 62
^[C] Density	1150 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Granules, Natural Color

Additives

Lubricants, Release agent

Special Characteristics

Flame retardant, Transparent

Features

Barrier Properties, Copolymer

Chemical Resistance

Hydrolytically Stable

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Automotive, Electrical and Electronical, Medical, Packaging

Regional Availability

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