

Product Texts

Product-nomenclature: ISO 16396-PA12-IP,,EHL,S24-002

Product Attributes

Highly flexible, Improved impact resistance, Plasticised, Improved UV resistance (outdoor use)

Markets

Electricals & Electronics
Cables & Tubes
Industry & Consumer goods
Hydraulics & Pneumatics

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.4 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	- / 195	MPa	ISO 527
^[C] Stress at 50% strain	- / 18	MPa	ISO 527
^[C] Strain at break	- / >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	- / N	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	- / 10	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	170 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 0.45 MPa	80 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	160 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	160 / *	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	- / 1E9	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E11	Ohm	IEC 62631-3-2
^[C] Electric strength	- / 39	kV/mm	IEC 60243-1
^[C] Comparative tracking index	- / 600	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1.2 / *	%	Sim. to ISO 62
^[C] Humidity absorption	0.5 / *	%	Sim. to ISO 62
^[C] Density	990 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Grilamid XE 3982 natural

PA12

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Processing

Other Extrusion

Delivery form

Granules, Natural Color

Additives

Plasticizer

Special Characteristics

High impact or impact modified, Light stabilized or stable to light, U.V. stabilized or stable to weather

Applications

Electrical and Electronical

Regional Availability

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