

Product Texts

Product-nomenclature: ISO16396-PA12-P,,GHL,C14-005

Product Attributes

Highly flexible, Improved flowability and demoulding, Improved heat resistance, Plasticised

Markets

Automotive

Automotive electr. and electronics, lighting, Powertrain and Chassis

Electricals & Electronics

Connectors, Energy distribution

Industry & Consumer goods

Hydraulics & Pneumatics, Mechanical Engineering, Tools & Accessories

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.8 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.0 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	520 / 500	MPa	ISO 527
^[C] Yield stress	35 / 30	MPa	ISO 527
^[C] Yield strain	25 / 20	%	ISO 527
^[C] Nominal strain at break	>50 / >50	%	ISO 527
^[C] Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	- / 40	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	- / 3	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	174 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	45 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	100 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	140 / *	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	- / 1E11	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E11	Ohm	IEC 62631-3-2
^[C] Electric strength	- / 32	kV/mm	IEC 60243-1
^[C] Comparative tracking index	- / 600	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1.5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	0.7 / *	%	Sim. to ISO 62
^[C] Density	1030 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Granules, Black

Additives

Plasticizer

Special Characteristics

Light stabilized or stable to light, Heat stabilized or stable to heat

Regional Availability

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