

Product Texts

Product-nomenclature: ISO 16396-PA12,EHL1Z,C16-010

Product Attributes

Improved heat resistance, Anti-static, Improved UV resistance (outdoor use)

Markets

Electricals & Electronics
Cables & Tubes

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	1800 / 1400	MPa	ISO 527
^[C] Yield stress	50 / 50	MPa	ISO 527
^[C] Yield strain	15 / 18	%	ISO 527
^[C] Nominal strain at break	35 / 45	%	ISO 527
^[C] Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	40 / 40	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	10 / 15	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	9 / 7	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	178 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	60 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	130 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	65 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	130 / *	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	* / 1000	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1.4 / *	%	Sim. to ISO 62
^[C] Humidity absorption	0.5 / *	%	Sim. to ISO 62
^[C] Density	1040 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Sheet Extrusion, Other Extrusion, Coating

Delivery form

Granules, Black

Special Characteristics

Anti-static, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Applications

Electrical and Electronical

Regional Availability

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