

**Product Texts**

Product-nomenclature: ISO16396-PA12-P,,EF2H,C22-007

**Product Attributes**

Flame retardant, Plasticised

**Markets**

**Electricals & Electronics**  
Cables & Tubes

**Approvals**

**Burning Behaviour**  
UL V2

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	0.7 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	- / 700	MPa	ISO 527
<sup>[C]</sup> Stress at 50% strain	- / 40	MPa	ISO 527
<sup>[C]</sup> Strain at break	- / >50	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	- / N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	- / N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	- / 100	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	- / 7	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	178 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	55 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	120 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	110 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	120 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
<sup>[C]</sup> Oxygen index	28 / *	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Volume resistivity	- / 1E7	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	- / 22	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	- / 600	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Water absorption	1.5 / *	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	0.7 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1110 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Sheet Extrusion, Other Extrusion

**Delivery form**

Granules, Natural Color

**Additives**

Plasticizer

**Special Characteristics**

Flame retardant

**Applications**

Electrical and Electronical

**Regional Availability**

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