

**Product Texts**

Product-nomenclature:  
ISO 16396-PA12-P,,EHZ,C24-005

**Product Attributes**

Highly flexible, High viscosity, Improved impact resistance, Improved heat resistance, Anti-static, Plasticised, Improved UV resistance (outdoor use)

**Markets**

- Automotive**
- Fuel systems
- Electricals & Electronics**
- Cables & Tubes
- Industry & Consumer goods**
- Hydraulics & Pneumatics

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	1.1 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	1.4 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Density of melt	890	kg/m <sup>3</sup>	-
<sup>[C]</sup> Thermal conductivity of melt	0.22	W/(m K)	-
<sup>[C]</sup> Spec. heat capacity of melt	2900	J/(kg K)	-
<sup>[C]</sup> Eff. thermal diffusivity	8.52E-8	m <sup>2</sup> /s	-
<sup>[C]</sup> Ejection temperature	140	°C	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	- / 350	MPa	ISO 527
<sup>[C]</sup> Yield stress	- / 25	MPa	ISO 527
<sup>[C]</sup> Yield strain	- / 20	%	ISO 527
<sup>[C]</sup> Nominal strain at break	- / >50	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	9 / 9	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Shore D hardness	63 / *	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	173 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	45 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	95 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	140 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	180 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> 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
<b>ISO Data</b>			
<sup>[C]</sup> Volume resistivity	- / 1000	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / 1000000	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	14 / 12	kV/mm	IEC 60243-1

[C] Comparative tracking index	- / 150	-	IEC 60112
[C]: CAMPUS			

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	1.2 / *	%	Sim. to ISO 62
[C] Humidity absorption	0.6 / *	%	Sim. to ISO 62
[C] Density	1040 / -	kg/m <sup>3</sup>	ISO 1183
[C]: CAMPUS			

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
[C] Injection Molding, melt temperature	250	°C	ISO 294
Injection Molding, mold temperature	40	°C	ISO 294
Injection Molding, injection velocity	250	mm/s	ISO 294
Injection Molding, pressure at hold	75	MPa	ISO 294
[C]: CAMPUS			

**Characteristics**

**Processing**

Other Extrusion

**Delivery form**

Granules, Black

**Additives**

Plasticizer

**Special Characteristics**

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

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

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