

**Product Texts**

Product-nomenclature: ISO 16396-PA6,,FHS,S32-030N

**Product Attributes**

High viscosity, Improved heat resistance, Barrier material, Nucleated

**Markets**

**Automotive**  
Automotive electr. and electronics, lighting  
**Electricals & Electronics**  
Cables & Tubes  
**Packaging**  
Tubes

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	15 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	- / 750	MPa	ISO 527

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	222 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

Optical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Gloss, 60°	100 / *	-	ISO 2813

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Water absorption	9 / *	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	3 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1140 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Film Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Stress at yield, parallel	35 / *	MPa	ISO 527-3
<sup>[C]</sup> Stress at yield, normal	30 / *	MPa	ISO 527-3
<sup>[C]</sup> Strain at yield, parallel	15 / *	%	ISO 527-3
<sup>[C]</sup> Strain at yield, normal	15 / *	%	ISO 527-3
<sup>[C]</sup> Maximum strain, parallel	700 / *	%	ISO 527-3
<sup>[C]</sup> Maximum strain, normal	700 / *	%	ISO 527-3
<sup>[C]</sup> Elmendorf Tear resistance, parallel	10 / *	N	ISO 6383-2
<sup>[C]</sup> Elmendorf Tear resistance, normal	10 / *	N	ISO 6383-2
<sup>[C]</sup> Trouser Tear resistance, parallel	30 / *	N/mm	ISO 6383-1
<sup>[C]</sup> Trouser Tear resistance, normal	30 / *	N/mm	ISO 6383-1
<sup>[C]</sup> Dynamic coefficient of friction	0.25 / *	-	ISO 8295
<sup>[C]</sup> WVTR, 23°C/85%r.h.	15 / *	g/(m <sup>2</sup> *d)	ISO 15106-1/-2
<sup>[C]</sup> Oxygen transmission rate, 23°C/0%r.h.	25 / *	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2

<sup>[C]</sup> Oxygen transmission rate, 23°C/85%r.h.	<b>50 / *</b>	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
<sup>[C]</sup> Carbon Dioxide transm. rate, 23°C/0%r.h.	<b>80 / *</b>	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
<sup>[C]</sup> Carbon Dioxide transm. rate, 23°C/85%r.h.	<b>250 / *</b>	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2

[C]: CAMPUS

**Characteristics****Processing**

Film Extrusion, Other Extrusion

**Delivery form**

Granules, Natural Color

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Barrier Properties, Nucleated

**Applications**

Automotive, Electrical and Electronical, Packaging

**Regional Availability**

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