

Product Texts

Product-nomenclature: ISO 16396-PA6,,FR,S22-030

Product Attributes

High viscosity, Barrier material, Nucleated

Markets

Packaging

Non oriented film, Oriented film, Paper coating, Tubes

Approvals

Food Contact

EU Requirements, FDA

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	40 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
^[C] Density of melt	970	kg/m ³	-
^[C] Thermal conductivity of melt	0.22	W/(m K)	-
^[C] Spec. heat capacity of melt	2600	J/(kg K)	-
^[C] Eff. thermal diffusivity	8.72E-8	m ² /s	-
^[C] Ejection temperature	175	°C	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	- / 700	MPa	ISO 527

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

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

[C]: CAMPUS

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

[C]: CAMPUS

Film Properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Stress at yield, parallel	35 / *	MPa	ISO 527-3
^[C] Stress at yield, normal	35 / *	MPa	ISO 527-3
^[C] Strain at yield, parallel	9 / *	%	ISO 527-3
^[C] Strain at yield, normal	9 / *	%	ISO 527-3
^[C] Trouser Tear resistance, parallel	500 / *	N/mm	ISO 6383-1
^[C] Trouser Tear resistance, normal	500 / *	N/mm	ISO 6383-1
^[C] WVTR, 23°C/85%r.h.	20 / *	g/(m ² *d)	ISO 15106-1/-2
^[C] Oxygen transmission rate, 23°C/0%r.h.	25 / *	cm ³ /(m ² *d*bar)	ISO 15105-1/-2
^[C] Oxygen transmission rate, 23°C/85%r.h.	70 / *	cm ³ /(m ² *d*bar)	ISO 15105-1/-2

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

[C]: CAMPUS

Characteristics**Processing**

Film Extrusion, Other Extrusion, Coating

Delivery form

Granules, Natural Color

Additives

Lubricants

Features

Barrier Properties, Nucleated

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Packaging

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