

# **Flexible Packaging Converter Qingdao, China**

青岛通力包装制品有限公司

Qingdao Tongli Packaging Products Co., Ltd

# AIOxPET Higher Barrier Film

## China Manufacturer

Model	Print	Retort (121C, 30min)	WVTR g/m <sup>2</sup> .24h	OTR (ml/m <sup>2</sup> .24h)	Note
526-CNH	NO	OK	0.89	1.34	For lamination purpose
527-CHH	OK	NO	1.12	0.65	Not Intended for retort treat
531-GHN	OK	OK	0.93	0.59	
T-533	OK	NO	1.05	0.68	Water Boiling

### Attentions in application

- ※ During processing, the elongation rate shall be controlled within 2%, otherwise there may be risks for the AIOx coating layer to fracture which will lead to the drop in barrier property.
- ※ During extrusion lamination, the temperature for extruding polymer should not be higher than 290°C, and the thickness for extrusion layer should be better controlled under 15 microns, too thick may cause the AIOx coating layer to fracture.
- ※ If the acidity for the inside products is less than 4.0PH, there may be risks for the crosslinking on the AIOx coating layer.
- ※ As there is no protection coating on 526-CNH, please try to avoid hard rollers that may cause damage on the surface of 526-CNH film. Soft surface on the rollers will reduce the damage on AIOxPET film.
- ※ Above information and advice is for reference only, as different processing conditions and customer requirements will lead to different craftsmanship on the film, the final processing shall be exactly testified on plant site.
- ※ Please reach us for support at [office@valuepackaging.cn](mailto:office@valuepackaging.cn)

# 526-CNH

## AIOx Deposited PET Film

### Product Description

526-CNH AIOxPET film designate the clear transparent PET substrate film depositing a thin layer of AIOx that enables the film with excellent barrier property, that is much preferred by many food products for longer shelf life requirements. It is intended for lamination only, not for print purpose.

### Property

- ※ High barrier property
- ※ High transparency
- ※ Odorless and eco friendly
- ※ Good printability and lamination
- ※ Microwavable
- ※ Retortable (121C°, 30min)
- ※ Pass metal detector



### Application

Suitable for lamination purpose in retort packaging, metal detector packaging, fresh packaging, like dried meat, snacks, deli foods, microwavable foods, pharmaceutical products

### Technical Data Sheet

Model	526-CNH
Structure	AIOx/BOPET
Printability	NO
Retort	suitable for retort 121C, 30min
Hygiene and Health	In conformity with FDA (United States)

Property	Test Standard	Unit	Normal Value	Test Value
Thickness	GB/T 6672	μm	12	12.5
Density	ASTM D 1505	g/cm <sup>3</sup>	1.38	1.38
Tensile Strength	ASTM D 882	MPa	≥170	200
			≥170	210
Elongation	ASTM D 882	%	≤200	130
			≤200	110
Haze	ASTM D-1003	%	/	1.51
Wetting Tension (AIOx side)	ASTM D 2578	dyne/cm	≥48	54
COF(Non AIOx side)	ASTM D 1894	/	≤0.55	0.48
OTR	GB/T 19789	ml/m <sup>2</sup> .24h	≤1.5	1.34
WVTR	GB/T 26253	g/m <sup>2</sup> .24h	≤1.5	0.89

\* Test values means the average value we get in our laboratory, just for your reference. You may reach us for further ideas on exact product application.

# 527-CHH

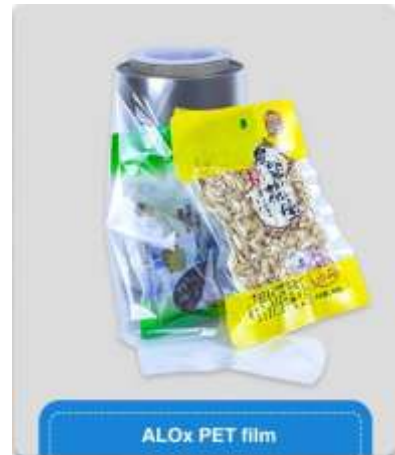
## AIOx Deposited PET Film

### Product Description

527-CHH AIOx Coated PET film designate the clear transparent PET substrate film depositing a thin layer of AIOx that enables the film with excellent barrier property, and also a ovetop protection layer, that is much preferred by many food products for longer shelf life requirements.

### Property

- ※ Good printability
- ※ High barrier property
- ※ High transparency
- ※ Odorless and eco friendly
- ※ Good printability and lamination
- ※ Microwavable
- ※ Pass metal detector



### Application

Suitable for print purpose in metal detector packaging, fresh packaging, like dried meat, snacks, deli foods, microwavable foods, pharmaceutical products

### Technical Data Sheet

Model	527-CHH
Structure	Protection Coating/AIOx/BOPET
Printability	Good
Retort	NO
Hygiene and Health	In conformity with FDA (United States)

Property	Test Standard	Unit	Norminal Value	Test Value
Thickness	GB/T 6672	μm	12	12.5
Density	ASTM D 1505	g/cm <sup>3</sup>	1.38	1.38
Tensile Strength	ASTM D 882	MPa	≥170	200
			≥170	210
Elongation	ASTM D 882	%	≤200	130
			≤200	110
Haze	ASTM D-1003	%	/	1.76
Wetting Tension (AIOx side)	ASTM D 2578	dyne/cm	≥48	52
COF(Non AIOx side)	ASTM D 1894	/	≤0.55	0.50
OTR	GB/T 19789	ml/m <sup>2</sup> .24h	≤1	0.65
WVTR	GB/T 26253	g/m <sup>2</sup> .24h	≤2	1.12

\* Test values means the average value we get in our laboratory, just for your reference. You may reach us for further ideas on exact product application.

# 531-GHN

## AIOx Deposited PET Film

### Product Description

531-GHN AIOx Coated PET film designate the clear transparent PET substrate film depositing a thin layer of AIOx that enables the film with excellent barrier property, and with a ovetop protection layer, that is much preferred by many food products for longer shelf life requirements.

### Property

- ※ Good printability
- ※ High barrier property
- ※ High transparency
- ※ Odorless and eco friendly
- ※ Good printability and lamination
- ※ Microwavable
- ※ Retortable (121C°, 30min)
- ※ Pass metal detector



### Application

Suitable for print purpose in retort packaging, metal detector packaging, fresh packaging, like dried meat, snacks, deli foods, microwavable foods, pharmaceutical products

### Technical Data Sheet

Model	531-GHN
Structure	Coating/AIOx/BOPET
Printability	Good
Retort	Retort (121C°, 30min)
Hygiene and Health	In conformity with FDA (United States)

Property	Test Standard	Unit	Normal Value	Test Value
Thickness	GB/T 6672	μm	12	12.5
Density	ASTM D 1505	g/cm <sup>3</sup>	1.38	1.38
Tensile Strength	ASTM D 882	MPa	≥170	200
			≥170	210
Elongation	ASTM D 882	%	≤200	130
			≤200	110
Haze	ASTM D-1003	%	/	1.51
Wetting Tension (AIOx side)	ASTM D 2578	dyne/cm	≥48	50
COF(Non AIOx side)	ASTM D 1894	/	≤0.55	0.48
OTR	GB/T 19789	ml/m <sup>2</sup> .24h	≤1	0.59
WVTR	GB/T 26253	g/m <sup>2</sup> .24h	≤1	0.93

\* Test values means the average value we get in our laboratory, just for your reference. You may reach us for further ideas on exact product application.

# T-533

## AIOx Deposited PET Film

### Product Description

T-533 AIOx Coated PET film designate the clear transparent PET substrate film depositing a thin layer of AIOx that enables the film with excellent barrier property, and with a ovetop protection layer, that is much preferred by many food products for longer shelf life requirements.

### Property

- ※ Good printability
- ※ High barrier property
- ※ High transparency
- ※ Odorless and eco friendly
- ※ Good printability and lamination
- ※ Microwavable
- ※ Retortable (121C°, 30min)
- ※ Pass metal detector



### Application

Suitable for print purpose in retort packaging, metal detector packaging, fresh packaging, like dried meat, snacks, deli foods, microwavable foods, pharmaceutical products

### Technical Data Sheet

Model	T-533
Structure	Coating/AIOx/BOPET
Printability	Good
Retort	Water Boiling
Hygiene and Health	In conformity with FDA (United States)

Property	Test Standard	Unit	Norminal Value	Test Value
Thickness	GB/T 6672	μm	12	12.5
Density	ASTM D 1505	g/cm <sup>3</sup>	1.38	1.38
Tensile Strength	ASTM D 882	MPa	≥170	200
			≥170	210
Elongation	ASTM D 882	%	≤200	130
			≤200	110
Haze	ASTM D-1003	%	/	1.51
Wetting Tension (AIOx side)	ASTM D 2578	dyne/cm	≥48	52
COF(Non AIOx side)	ASTM D 1894	/	≤0.55	0.50
OTR	GB/T 19789	ml/m <sup>2</sup> .24h	≤1	0.68
WVTR	GB/T 26253	g/m <sup>2</sup> .24h	≤1.5	1.05

\* Test values means the average value we get in our laboratory, just for your reference. You may reach us for further ideas on exact product application.