

BOPA Film

OPA BarrierFilm



OXYSHIELD®



Corona treated outside, high barrier to oxygen

Description

Bioriented nylon film with high barrier to oxygen. The corona treatment is located on the outer side of the reel.

Main Characteristics

- Good barrier to oxygen and aromas.
- Excellent mechanical properties at high and low temperatures.
- Excellent toughness and puncture resistance.
- High resistance to “Flex crack”.
- Excellent brightness and transparency.
- High performance due to its low specific gravity.

Applications

High barrier to oxygen, can be print on treated face and then laminate with other substrate used as sealing layer. Is used in packing that requires a high oxygen barrier, OTR <4/m²/24hrs., in “doy pack” for mayonnaises, containers for fish, seafood, dairy products, processed meats and pastas shelf of these products.,The film of 12u is especially recommended for use in greeting balloons (helium).

* Important Considerations

*It is recommended to store this material at conditions not exceeding 30°C, in a place without exposure to sunlight and with a relative humidity of 60%. To protect against humidity and avoid film blocking, rolls should stay covered with plastic overwrap when not in use.

*The information in this data sheet is based on tests carried out in our laboratories and is intended to be used for reference only, and does not constitute a specification. Therefore, should not be construed as a guarantee of performance. It is the responsibility of the user to carry out the necessary tests to guarantee its use for the intended applications.

*This product complies with FDA and EU regulations. For more information, please visit our website: <https://www.obengroup.com/en/documents>

Standard Dimensions *

Film Code	Thickness (µm)	Unit Weight (g/m ²)	Width (mm)	Core Size	760 mm Ø Outside Diam.		Treatment
					Length (m)	Weight (kg/cm)	
AV 12	12.0	14.2	400 to 2,500	6"	31,800	4.5	Outside

*This product has lot size and width restrictions. Please consult your sales representative.

Typical Values of Physical Properties **

Property	Unit	Testing Method	Thickness in Microns
			12.0
Haze	-	ASTM D1003	5.0
Gloss 45°	%	ASTM D2457	100
Coefficient of Friction - Kinetic	N/N	ASTM D1894	0.40
	T/T		0.45
Tensile Strength	DM	ASTM D882	240
	DT		310
Elongation at Break	DM	ASTM D882	110
	DT		80
Secant Modulus 2%	DM	ASTM D882	3,470
	DT		2,920
Surface Tension	T	ASTM D2578	58
	N		48
Oxygen Transmission Rate (23 °C, 0 % R.H.)	-	ASTM D3985	4.7

**Information and data presented in this data sheet is intended to be used as general guidelines. Physical properties specifications are available upon request.

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