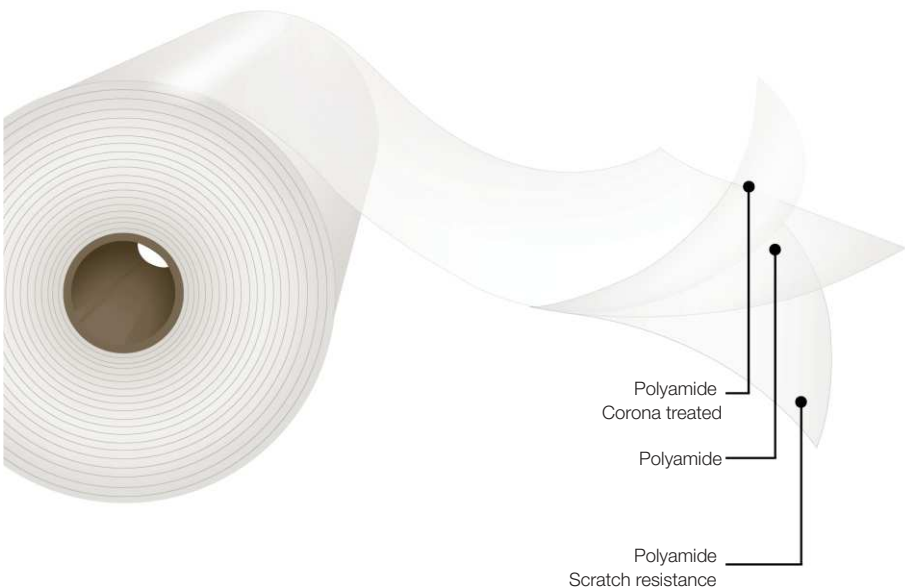


BOPA Film

OPA PlainFilm



CAPRAN®



High scratch resistance, one side corona treated

Description

Transparent film with corona treatment on one side and outstanding scratch resistance on the reverse side. The base raw material is modified polyamide with improved clarity and resistance.

Main Characteristics

- Outstanding scratch resistance.
- Excellent toughness.
- Excellent clarity and gloss.
- Excellent flatness and dimensional stability.

Applications

Very high clarity and transparency film used in graphic applications where high scratch resistance is required, such as thermolamination with high quality paper for soft covers of books and others. It meets FDA and EU regulations for food contact.

* Important Considerations

* It is recommended to store this material at conditions not exceeding 30°C, under shade and with a relative humidity of 60%. To protect against humidity and avoid film blocking, rolls should stay covered with the plastic overwrap when not in use

* The information in this data sheet is based on tests carried out in our laboratories and it 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 detailed information about our technical and regulatory documents, 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)	
ATg 10	10.0	11.8	400 to 2,500	6"	38,200	4.5	Outside
ATg 12	12.0	14.2			31,800		

*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	
			10.0	12.0
Haze	-	%	ASTM D1003	2.5
Gloss 45°	-	%	ASTM D2457	100
Coefficient of Friction - Kinetic	N/N	-	ASTM D1894	0.80
Tensile Strength	DM	N/mm ²	ASTM D882	240
	DT			310
Elongation at Break	DM	%		110
	DT			80
Secant Modulus 2%	DM	N/mm ²		3,800
	DT			3,100
Shrinkage (160 °C, 5 min)	DM	%	ASTM D1204	1.5
	DT		1.2	
Surface Tension	T	dyn/cm	ASTM D2578	58
Oxygen Transmission Rate (23 °C, 0 % R.H.)	-	cm ³ /(m ² .d)	ASTM D3985	75 62

**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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