

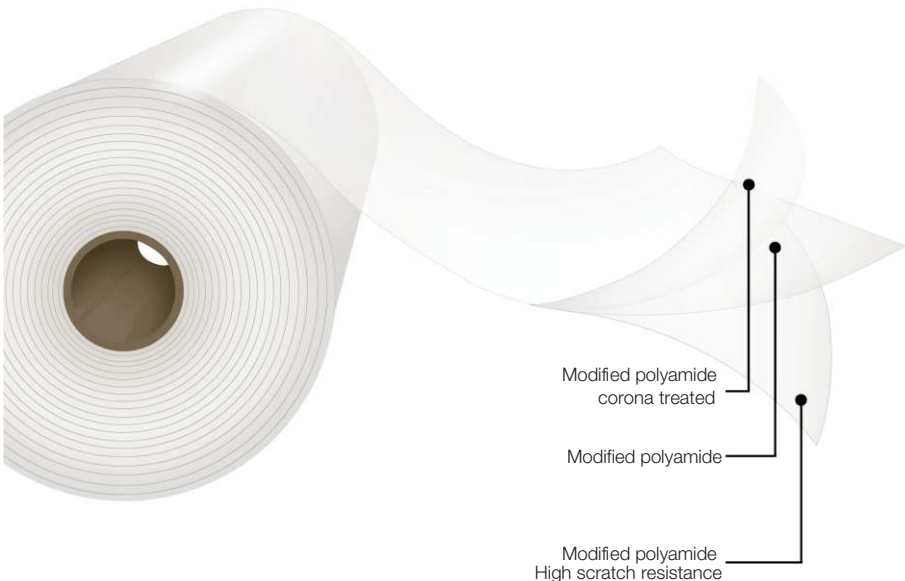
## BOPA Film PIR Grade\*

OPA PlainFilm

| **ATgqi**



**CAPRAN®**



*High scratch resistance, one side corona treated*

Raw material obtained through the utilization of post-industrial recycled materials, certified with ECV (Environmental Claim Validation) by SCS Global Services.

### Description

Clear film, one side corona treated and outstanding scratch resistance on the reverse side. The base raw material, 100% of polyamide, comes from post-industrial content of chemical recycling, suitable for food contact. This raw material grants excellent clarity and resistance properties. The corona-treated is located on the outside face of the reel.

### Main Characteristics

- Ecological and sustainable film focused on the circular economy.
- Reduced environmental footprint.
- Maintains the same performance and efficiency as conventional film.
- Outstanding scratch resistance.
- Excellent tenacity.
- Excellent transparency and brightness.
- Excellent flatness and dimensional stability.

### Applications

High clarity and transparency film used in graphic applications requiring excellent scratch resistance, such as thermal lamination with high quality paper for softcover book covers, among others. Compliant with FDA and UE 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 <sup>2</sup> )	Width (mm)	Core Size	760 mm Ø Outside Diam.		Treatment
					Length (m)	Weight (kg/cm)	
ATgqi 10 TN	10.0	11.8	400 to 2,500	6"	38,200	4.5	Outside
ATgqi 12 TN	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	ASTM D882	240	
	DT		310	
Elongation at Break	DM		110	
	DT		80	
Secant Modulus 2%	DM		3,800	
	DT		3,100	
Shrinkage (150 °C, 30 min)	DM	ASTM D1204	1.5	
	DT		1.2	
Surface Tension	T	ASTM D2578	58	
Oxygen Transmission Rate (23 °C, 0 % R.H.)	-	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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