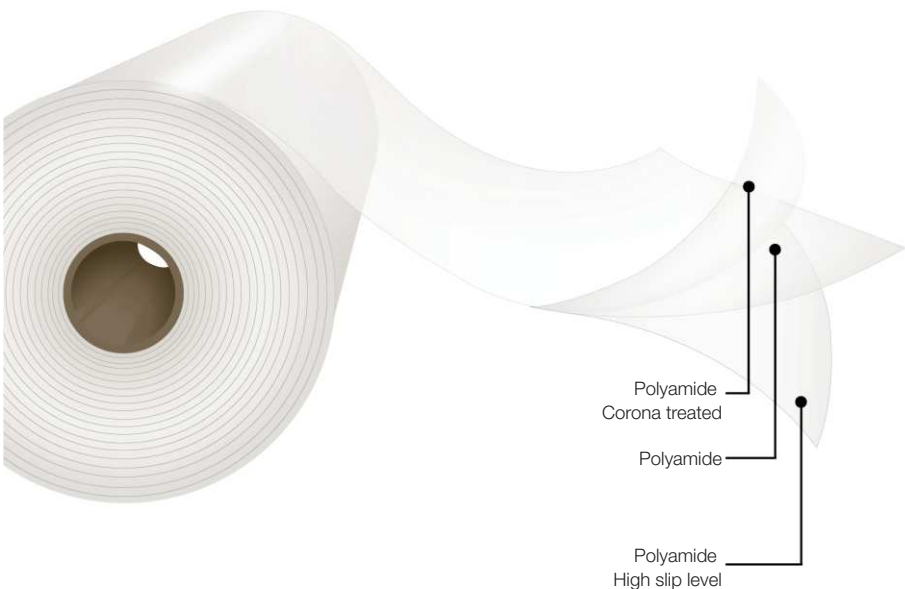


## BOPA Film

## OPA PlainFilm



## CAPRAN®



*High slip level, one side corona treated*

### Description

High slip bioriented transparent film, treated on one side, which provides printing and adhesion properties. The polyamide based resin provides excellent oxygen barrier properties ensuring the protection and integrity of the packaged products. It presents corona treatment on the outer side.

### Main Characteristics

- High and stable slip level under different relative humidity conditions.
- Suitable for high speed converting processes.
- 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

This film is designed as the reverse printed outer web in laminations. It can be used in vacuum or modified atmosphere packaging that requires good oxygen barrier for various food products such as processed meats, sausage, seafood, frozen products, dairy products, and pastas. It is also used in packages that require excellent protection to mechanical stress, puncture and flexcrack resistance. Stand-up pouches and large bag formats frequently utilize these laminates. 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 \*

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

| 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) |           |
| ATx 12    | 12.0           | 14.2                            | 400 to 2500 | 6"        | 31,800                 | 4.5            | Outside   |
| ATx 15    | 15.0           | 17.7                            |             |           | 25,500                 |                |           |
| ATx 20    | 20.0           | 23.6                            |             |           | 19,100                 |                |           |

## Typical Values of Physical Properties \*\*

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

| Property                                   | Unit | Testing Method | Thickness in Microns |      |      |
|--|------|----------------|----------------------|------|------|
|  |      |                | 12.0                 | 15.0 | 20.0 |
| Haze                                       | -    | ASTM D1003     | 2.5                  |      | 3.5  |
| Gloss 45°                                  |      | ASTM D2457     | 100                  |      |      |
| Coefficient of Friction - Kinetic          | N/N  | ASTM D1894     | 0.25                 |      |      |
| Tensile Strength                           | DM   | ASTM D882      | 240                  |      |      |
|  | DT   |                | 310                  |      |      |
| Elongation at Break                        | DM   |                | 110                  |      |      |
|  | DT   |                | 80                   |      |      |
| Secant Modulus 2%                          | DM   |                | 3,470                |      |      |
|  | DT   |                | 2,920                |      |      |
| Surface Tension                            | T    | ASTM D2578     | 58                   |      |      |
|  | N    |                | 48                   |      |      |
| Oxygen Transmission Rate (23 °C, 0 % R.H.) | -    | ASTM D3985     | 62                   | 55   | 39   |

# CAPRAN®

## OPA PlainFilm

# ATx