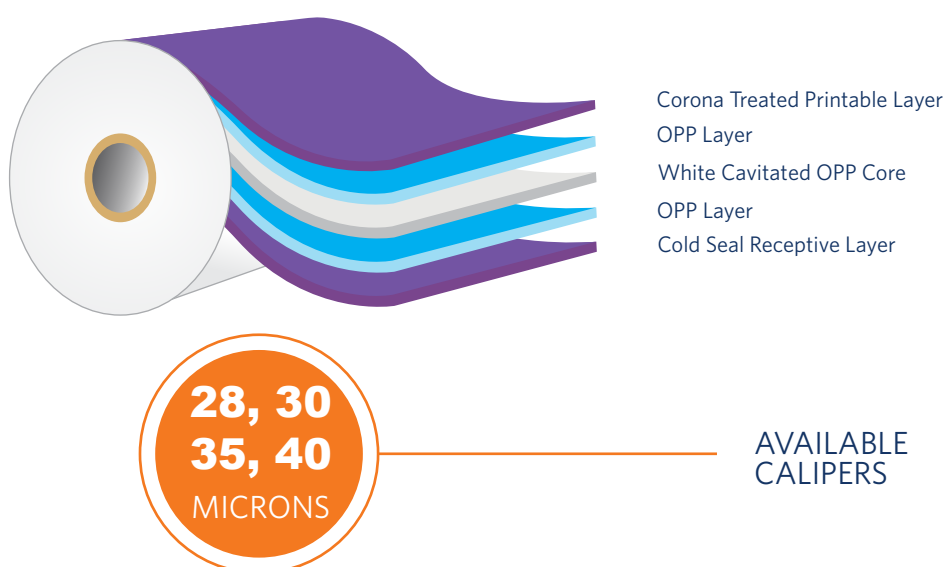


## PTTOC

### BOPP FILMS

WHITE CAVITATED PLAIN BOPP FILM CORONA TREATED BOTH SIDES WITH ONE SIDE HIGHER TREATMENT, FOR COLD SEAL APPLICATION



### DESCRIPTION

OPP PTTOC is super white cavitated **BOPP** film. It is corona treated on both sides with higher corona treatment on outside surface for printing. This opaque and stiff film is ideal for mono layer requirement and it has been especially designed for cold seal applications.

### PRODUCT FEATURES

- Excellent support for cold seal adhesion
- High Gloss white cavitated Film
- High Stiffness to facilitate single layer structure
- High yield due to low density
- Good runnability on HFFS & VFFS machines
- Outstanding opacity and light barrier
- Exceptional printing and receptivity to coatings

### APPLICATIONS

Can be used as a monolayer or as a part of laminate structure

- Ice cream and frozen food
- Confectionary ( chocolate/gum/sugar)
- Bakery (Biscuits/cookie/crackers)

	PROPERTIES	POSITION	P28TTOC	P30TTOC	P35TTOC	P40TTOC	UNIT	METHOD
GENERAL	Nominal Thickness	-	28	30	35	40	μ	Internal Method
	Density	-	0.65	0.65	0.65	0.65	g/cc	Internal Method
	Grammage	-	18.2	19.5	22.8	26.0	g/m <sup>2</sup>	
	Yield	-	54.9	51.3	44.0	38.5	m <sup>2</sup> /kg	Internal Method
SURFACE OPTICAL	Transmittance	-	37	35	33	30	%	ASTM D 1003
	Gloss	-		70			GU	ASTM D 2457
	Wetting Tension	-		38*			-	ASTM D 2457
	Dynamic COF	Film / Film		0.30			-	ASTM D 1894
MECHANICAL	Tensile Strength (at break)	- MD - TD		700 1500			kg/cm <sup>2</sup>	ASTM D 882
	Elongation (at break)	- MD - TD		140 40			%	ASTM D 882
	Elastic Modulus	- MD - TD		10000 20000			kg/cm <sup>2</sup>	ASTM D 882
THERMAL	Linear Shrinkage (max)	- MD - TD		4 2			%	ASTM D 1204
BARRIER	WVTR 38 °C, 90% rh	-	8.5	8	7.5	7	-	ASTM F 1249
	OXTR 23 °C, 0% rh	-	3300	3200	3000	2800	-	ASTM D 3985

\* 38 dyne/cm guaranteed for 6 months from the invoice date in controlled ambient condition as per below storage guidelines

The figures and above properties refer to typical values which are indicative only. Customers should verify the suitability of the film for its specific end use. Therefore this document will not represent a product specification.

#### GUIDELINES FOR STORAGE

Temperature should preferably be less than 30°C & humidity 55±5% in storage areas and material should be consumed with three months of receipt. OPP films should be allowed to reach operating room temperature 24 hours before use.

#### FOOD CONTACT

OPP films complies with the requirements of FDA, EC & REACH regulations. Specific documentation is available on request.

#### SAFETY

Compliance with industrial health and safety standards. OPP films do not present any significant danger to health and safety in the workplace, provided they are used for the intended purpose in accordance with conventional practices and that health & safety regulations are observed. Relevant guidelines can be found in our MSDS (available upon request).

#### CAUTIONS

- Film characteristics are maintained for six months from the date of manufacturing except for corona treated layer surface tension