

PROVISIONAL

P33TTOWL2

CAVITATED 33 μ CORONA TREATED BOTH SIDES HIGH TREATMENT
ONE SIDE FOR WRAP AROUND LABELS



Corona treated, Glossy Heat Seal layer

Tie Layer

White cavitated OPP Core

Tie Layer

Corona treated adhesive receptive, Heat Seal layer



AVAILABLE
CALIPERS

DESCRIPTION

P33TTOWL1 is white cavitated 0.65 density high gloss **BOPP** film developed for reel fed wrap around labelling applications. It is designed for optimized performance on the most demanding machines and superior graphics.

PRODUCT FEATURES

- Excellent slip for robust performance on the labelling machines
- High Yield due to low density
- Printable / Glueable
- High resistance to elongation on labelling machine
- Consistently low coefficient of friction and good anti-static properties
- Outstanding Opacity & Whiteness
- Superb Gloss
- Excellent Web flatness
- Suitable for "Rotogravure & Flexographic" printing

APPLICATIONS

Reel-fed Wrap Around Labels

- Beverage (carbonated, alcoholic, mineral water)
- Dairy Products
- Household & detergents
- Health & Beauty care

NOMENCLATURE

P33TTIWL1 ... High Wetting tension Surface Inside, Low Wetting Tension Surface Outside

P33TTOWL1... High Wetting tension Surface Outside, Low Wetting Tension Surface Inside

TOPPAN SPECIALITY FILMS

PROVISIONAL

	PROPERTIES	POSITION	P33TTOWL1	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	33	μ	Internal Method
	Density	-	0.65	g/cc	Internal Method
	GSM	-	21.5	g/m ²	Internal Method
	Yield	-	46.5	m ² /kg	Internal Method
OPTICAL	Transmittance	-	30	%	ASTM D 1003
	Gloss	-	55	GU	ASTM D 2457
SURFACE	Dynamic COF	Film/Film	0.30	-	Internal Method
	Wetting Tension	-	38*	dynes/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	-MD -TD	450 1400	kg/cm ²	ASTM D 882
	Elongation (at break)	-MD -TD	130 30	%	ASTM D 882
	Elastic Modulus	-MD -TD	10000 18000	kg/cm ²	ASTM D 882
THERMAL	Linear Shrinkage	- -	4 1	%	ASTM D 1204

* 38 dyne/cm guaranteed for 3 months from the invoice date in controlled ambient condition as mentioned in 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 within 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 wetting tension