TECHNICAL DATA SHEET

TOPPAN

PROVISIONAL

P38TTOWL1-PIR

BOPP FILMS

CAVITATED 38 µ CORONA TREATED BOTH SIDES HIGH TREATMENT OUTSIDE FOR WRAP AROUND LABELS WITH PIR CONTENT

Corona Treated Glossy, Heat Seal Surface
Tie Layer
White Cavitated OPP Core (PIR Content)
Tie Layer
Corona Treated Adhesive Receptive, Heat Seal Surface

38 MICRONS

AVAILABLE CALIPERS

DESCRIPTION

P38TTOWL1-PIR is white cavitated 0.65 density high gloss five layer BOPP film developed for reel fed wrap-around labelling applications. It is designed to optimize performance on the most demanding machines and superior graphics. It contains Post Industrial Recycle (PIR) material.

PRODUCT FEATURES

- Excellent slip for robust performance on the labelling machines
- High yield due to low density
- It contains POST INDUSTRIAL RECYCLE (PIR) material
- Printable/glueable
- High resistance to elongation on labelling machine
- Consistently low coefficient of friction and good anti-static properties
- Outstanding opacity and whiteness
- Superb gloss
- Excellent web flatness
- Suitable for "Rotogravure & Flexographic" printing

APPLICATIONS

Reel-Fed Wrap Around Labels

- Beverage (carbonated, alcoholic, mineral water)
- Dairy Products
- House hold and detergents
- Health and beauty care

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	PROPERTIES	POSITION	P38TTOWL1-PIR	UNIT	METHOD
GENERAL	Nominal Thickness	-	38	µ	Internal Method
	Density	-	0.65	g/cc	Internal Method
	Grammage	-	24.7	g/m^2	Internal Method
	Yield	-	40.5	m^2/kg	Internal Method
SURFACE OPTICAL	Transmittance	-	25	%	ASTM D 1003
	Gloss		50	GU	ASTM D 2457
	COF (Dynamic)	-	0.3	-	ASTM D 1894
	Wetting tension	-	38*	dyne/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD	600	kg/cm^2	ASTM D 882
		- TD	1200		
	Elongation (at break)	- MD	150	%	ASTM D 882
		- TD	50		
	Elastic Modulus	- MD	8000	kg/cm^2	ASTM D 882
		- TD	14000		
THERMAL	Linear Shrinkage	- MD	4	%	ASTM D 1204
		- TD	1		

* 38 dyne/cm guaranteed for 3 months from delivery in controlled ambient conditions as per 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