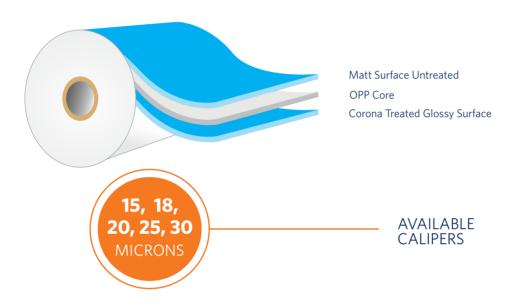
# **TOPPAN**



# HIGH MATT FOR CONVERSION



## **DESCRIPTION**

OPP H1 is transparent one side matt finish **BOPP** film. It is one side corona treated glossy surface & other side is untreated matt surface. The paper like matte appearance provides satiny appearance and a differentiated shelf appeal.

# **PRODUCT FEATURES**

- Matte appearance and differentiated shelf appeal.
- Good performance on HFFS & VFFS machines
- Good printability and suitable for lamination with other substrates
- Non toxic suitable for food contact applications

# **APPLICATIONS**

- Bakery (biscuits/cookie/crackers)
- Chips/snacks/pasta
- Health and beauty care
- Confectionery (chocolate/gum/sugar)

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	PROPERTIES	POSITION	15H1LD	18H1LD	20H1LD	25H1LD	30H1LD	UNIT	METHOD
GENERAL	Nominal Thickness Density Grammage Yield	- - -	15 12.75 78.4	18 15.3 65.4	20 0.85 17 58.8	25 21.25 47.1	30 25.5 39.2	μ g/cc g/m² m²/kg	Internal Method Internal Method Internal Method Internal Method
CEOPTICAL	Haze	-			75			%	ASTM D 1003
SURFA	COF (Dynamic) Wetting tension	Film/Film -	0.40 38*					- dyne/cm	ASTM D 1894 ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD - TD	1200 2500					kg/cm²	ASTM D 882
	Elongation (at break)	- MD - TD	170 60					%	ASTM D 882
	Elastic Modulus	- MD - TD	18000 28000					kg/cm²	ASTM D 882
THERMAL	Linear Shrinkage (max)	- MD - TD			4 2			%	ASTM D 1204

<sup>\* 38</sup> dyne/cm guaranteed for 6 months from delivery 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  $30^{\circ}$ C & humidity  $55\pm5\%$  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 corona treated layer surface tension
- Please make sure printing surface is well dried before lamination