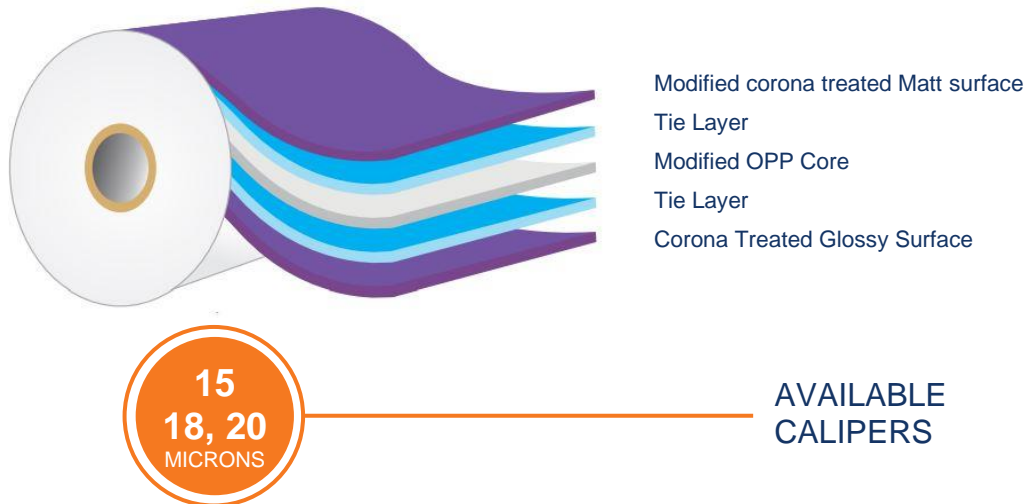


PROVISIONAL

H1HR1

HIGH MATT BOTH SIDE CORONA TREATED BOPP FILM FOR CONVERSION - HEAT RESISTANT GRADE



DESCRIPTION

OPP H1HR1 is transparent one side matt finish **BOPP** film. It's corona treated glossy surface is for printing & other side is corona treated modified matte surface which is 10°C more heat resistant than normal matte BOPP surface. The paper like matte appearance provides satiny appearance and a differentiated shelf appeal.

PRODUCT FEATURES

- More Heat Resistant than conventional Matt BOPP films
- 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

- Confectionary (Chocolate/ Gum/ Sugar)
- Bakery (Biscuits/ Cookie/ Crackers)
- Chips/ Snacks/ Pasta
- Health & Beauty care

PROVISIONAL

	PROPERTIES	POSITION	15H1HR1	18H1HR1	20H1HR1	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	15	18	20	μ	Internal Method
	Density	-	0.91	0.91	0.91	g/cc	Internal Method
	GSM	-	13.7	16.4	18.2	g/m ²	Internal Method
	Yield	-	73.3	61.0	54.9	m ² /kg	Internal Method
OPTICAL	Haze	-		65		%	ASTM D 1003
	Gloss	Matt side		10		-	ASTM D 2457
SURFACE	Dynamic COF	Film/Film		0.30		-	ASTM D 1894
		Film/Metal		0.25		-	ASTM D 1894
	Wetting Tension	Both side		38*		dynes/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	-MD		1200		kg/cm ²	ASTM D 882
		-TD		2500			
	Elongation (at break)	-MD		170		%	ASTM D 882
		-TD		60			
	Elastic Modulus	-MD		18000		kg/cm ²	ASTM D 882
		-TD		28000			
THERMAL	Linear Shrinkage	-MD		3.0		%	ASTM D 1204
		-TD		1.0			
BARRIER	WVTR (38°C, 90%rh)	-	-	8.0	6.0	%	ASTM F 1249

* 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 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 invoicing.