

PROVISIONAL

H1HR1-TI

HIGH MATT BOPP FILM FOR CONVERSION - HEAT RESISTANT GRADE



Modified Matt surface- Untreated
Tie Layer
Modified OPP Core
Tie Layer
Corona Treated Glossy Surface



AVAILABLE
CALIPERS

DESCRIPTION

OPP H1HR1-TI is transparent one side matt finish **BOPP** film. It is one side corona treated glossy surface & other side is untreated 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

NOMENCLATURE

H1HR1-TI - Treated glossy surface Inside & Untreated Matty surface Outside
H1HR1-TO - Treated glossy surface Outside & Untreated Matty surface Inside

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		PROPERTIES	POSITION	15H1HR1-TI	18H1HR1-TI	20H1HR1-TI	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	-		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.