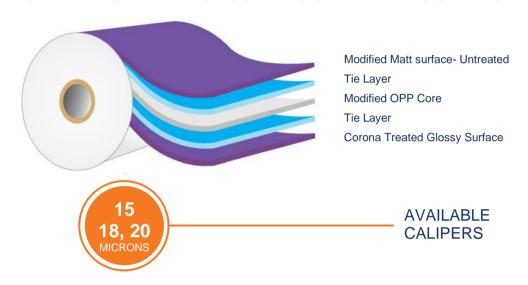
# H1HR1-TI

# HIGH MATT BOPP FILM FOR CONVERSION - HEAT RESISTANT GRADE



## **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

### **PROVISIONAL**

	PROPERTIES	POSITION	15H1HR1-TI	18H1HR1-TI	20H1HR1-TI	UNITS	TEST METHOD
GENERAL	Nominal Thickness Density GSM Yield	- - -	15 0.91 13.7 73.3	18 0.91 16.4 61.0	20 0.91 18.2 54.9	μ g/cc g/m² m²/kg	Internal Method Internal Method Internal Method Internal Method
OPTICAL	Haze Gloss	- Matt side		65 10		% -	ASTM D 1003 ASTM D 2457
SURFACE	Dynamic COF  Wetting Tension	Film/Film Film/Metal -		0.30 0.25 38*		- - dynes/cm	ASTM D 1894 ASTM D 1894 ASTM D 2578
MECHANICAL	Tensile Strength (at break) Elongation (at break) Elastic Modulus	-MD -TD -MD -TD -MD -TD		1200 2500 170 60 18000 28000		kg/cm² % kg/cm²	ASTM D 882 ASTM D 882 ASTM D 882
THERMAL	Linear Shrinkage	-ND -MD -TD		3.0 1.0		%	ASTM D 1204
BARRIER	WVTR (38°C, 90%rh)	-	-	8.0	6.0	%	ASTM F 1249

<sup>\* 38</sup> 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.