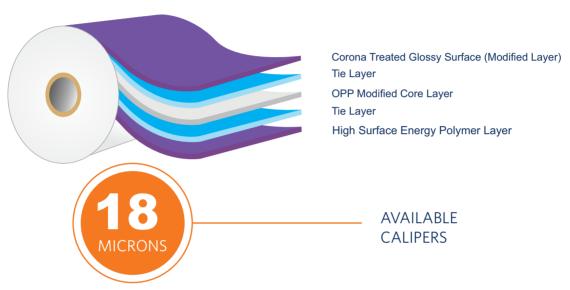
## T18TTIHROBUL

**BOPP FILMS** 

# TRANSPARENT NON HEAT SEALABLE HEAT RESISTANT BOPP FILM WITH EXCEPTIONAL OXYGEN BARRIER FOR CONVERSION



## **DESCRIPTION**

OPP HROBUL is non heat sealable plain high gloss both side treated BOPP film with good heat resistant characteristics. Its treated surace is modified which can endure heat and shrinking during pack sealing; its core layer is also modified for better rigidity compared to conventional plain BOPP Films. Its other side treated surface is specifically designed to exhibit exceptional barrier toward Oxygen and comparable to traditional transparent PET film.

## **PRODUCT FEATURES**

- Endurance to heat and shrinking during sealing
- Exceptional Oxygen Barrier
- Easy Jaw release
- Good wetting tension for printing and lamination
- Suitable for food contact applications
- Water/Oil/Grease repellent
- Outstanding clarity and gloss

#### **APPLICATIONS**

Can be used as outside web of laminates

- Bakery (Biscuits/cookie/crackers)
- Confectionery(chocolates/gum/sugar)
- Chips/tea/coffee/Pasta/Noodles
- Soaps and detergents
- Miscellaneous industrial and house hold applications

### **NOMENCLATURE**

T18TTIHROBUL... High Wetting tension Surface Inside, Modified Glossy Surface Outside T18TTOHROBUL... High Wetting tension Surface Outside, Modified Glossy Surface Inside

## TOPPAN SPECIALITY FILMS

**METHOD** 

UNIT

GENERAL	Nominal Thickness Density Grammage Yield		18 0.91 16.38 61.05	μ g/cc g/m² m²/kg	Internal Method Internal Method Internal Method Internal Method
OPTICAL	Haze Gloss	:	2.0 95	% GU	ASTM D 1003 ASTM D 2457
SURFACE	Dynamic COF Wetting Tension	Film/Film Film/Metal TI side(min) HR side(min)	0.25 0.20 38* 36	- - dynes/cm dynes/cm	Internal Method Internal Method ASTM D 2578 ASTM D 2578
MECHANICAL	Tensile Strength (at break) Elongation (at break) Elastic Modulus	- MD - TD - MD - TD - MD - TD	1200 2600 190 60 18000 30000	kg,/cm² % kg,/cm²	ASTM D 882 ASTM D 882 ASTM D 882
THERMAL	Linear Shrinkage (max)	- MD - TD	3 1	%	ASTM D 1204
BARRIER	WVTR 38° C 90% rh OXTR 23° C 0% rh		8 120	g/m²/day cc/m²/day	ASTM F 1249 ASTM D 3985
* 38 dyne/cm guaranteed for 6 months from the invoice date in controlled ambient condition as mentioned in storage guidelines.					

T18TTIHROBUL

**POSITION** 

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**

**PROPERTIES** 

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 invoicing

<sup>38</sup> dyne/cm guaranteed for 6 months from the invoice date in controlled ambient condition as mentioned in storage guidelines.