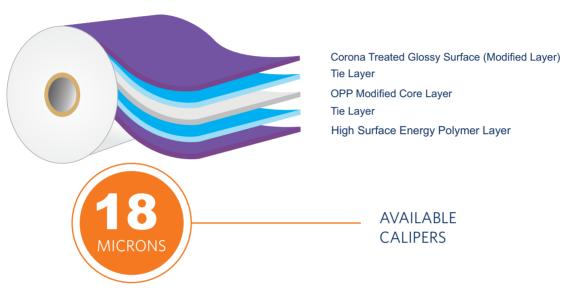
# T18TTIHROB

**BOPP FILMS** 

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



## **DESCRIPTION**

OPP HROB 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**

T18TTIHROB... High Wetting tension Surface Inside, Modified Glossy Surface Outside T18TTOHROB... High Wetting tension Surface Outside, Modified Glossy Surface Inside

# TOPPAN SPECIALITY FILMS

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	PROPERTIES	POSITION	T18TTIHROB	UNIT	METHOD
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GENERAL	Nominal Thickness	:	18	μ	Internal Method
	Density	• *	0.91	g/cc	Internal Method
	Grammage	-	16.38	g/m²	Internal Method
	Yield	• -	61.05	m²/kg	Internal Method
- 1					
OPTICAL	Haze	-	2.0	%	ASTM D 1003
	Gloss	: -	95	GU	ASTM D 2457
0		•			
SURFACE	Dynamic COF	• Film/Film	0.25	_	Internal Method
	Dynamic COF	Film/Metal	0.20	-	Internal Method
	Wetting Tension	■ TI side(min)	38*	dynes/cm	ASTM D 2578
		HR side(min)	36	dynes/cm	ASTM D 2578
CAL	Tensile Strength	- MD	1200		
	(at break)	- TD	2600	kg/cm²	ASTM D 882
Ž	Elongation	- MD	190	0.4	46714 0 000
MECHANICAL	(at break)	- TD	60	%	ASTM D 882
	Elastic Modulus	- MD	18000	1 62	ASTM D 882
	Elastic Modulus	• - TD	30000	kg/cm²	ASTINID 002
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THERMAL	Linear Shrinkage	- MD	3		
ER	(max)	- TD	1	%	ASTM D 1204
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BARRIER	WVTR 38° C 90% rh		8	g/m²/day	ASTM F 1249
RR	OXTR 23° C 0% rh		120	cc/m²/day	ASTM D 3985
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<sup>\* 38</sup> dyne/cm guaranteed for 6 months from the invoice date in controlled ambient condition as mentioned in 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 invoicing