TECHNICAL DATA SHEET

TOPPAN

T18TTIHROBUL

BOPP FILMS

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

Corona Treated Glossy Surface (Modified Layer)
Tie Layer
OPP Modified Core Layer
Tie Layer
High Surface Energy Polymer Layer

18 MICRONS

AVAILABLE CALIPERS

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

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	PROPERTIES	POSITION	T18TTIHROBUL	UNIT	METHOD
GENERAL	Nominal Thickness	-	18	µ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	16.38	g/m^2	Internal Method
	Yield	-	61.05	m^2/kg	Internal Method
OPTICAL	Haze	-	2.0	%	ASTM D 1003
	Gloss	-	95	GU	ASTM D 2457
SURFACE	Dynamic COF	Film/Film	0.25	-	Internal Method
		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
MECHANICAL	Tensile Strength (at break)	- MD	1200	kg/cm^2	ASTM D 882
		- TD	2600		
	Elongation (at break)	- MD	190	%	ASTM D 882
		- TD	60		
	Elastic Modulus	- MD	18000	kg/cm^2	ASTM D 882
		- TD	30000		
THERMAL	Linear Shrinkage (max)	- MD	3	%	ASTM D 1204
		- TD	1		
BARRIER	WVTR 38° C 90% rh	-	8	$g/m^2/day$	ASTM F 1249
	OXTR 23° C 0% rh	-	120	$cc/m^2/day$	ASTM D 3985

* 38 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°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