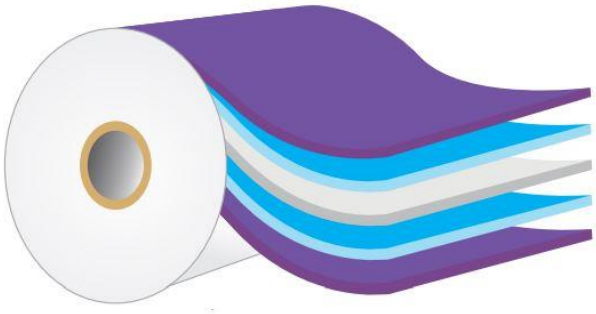
TECHNICAL DATA SHEET

TOPPAN

PROVISIONAL

T18TTIHR-PCR50

TRANSPARENT NON HEAT SEALABLE HEAT RESISTANT BOPP FILM BOTH SIDE CORONA TREATED FOR CONVERSION



Corona treated HR surface (Modified layer)
Tie Layer
OPP Modified core layer (PCR Content)
Tie Layer
Corona treated Glossy surface

18 MICRONS

AVAILABLE CALIPERS

DESCRIPTION

TTIHR is non heat sealable plain high gloss both side treated **BOPP** film with good heat resistant characteristics. Its treated surface 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. Moreover it's inside corona treated surface is specifically designed for printing & lamination during conversion. It contains 50% Post Consumer Recycle (PCR) material.

PRODUCT FEATURES

- It contains 50% POST CONSUMER RECYCLE (PCR) material
- Endurance to heat and shrinking during sealing
- Easy jaw release
- Good wetting tension for printing and lamination
- Suitable for food contact application
- Water / Oil / Grease repellent
- Outstanding clarity & Gloss

APPLICATIONS

Can be used as an outside web of laminates;

- Chips/ Tea/ Coffee/ Pasta/ Noodles
- Confectionary (Chocolate/ Gum/ Sugar)
- Bakery (Biscuits/ Cookie/ Crackers)
- Soap and detergents
- Miscellaneous industrial and house hold applications

NOMENCLATURE

T18TTIHR-PCR50... High wetting tension surface Inside, Modified treated glossy surface Outside
T18TTOHR-PCR50... High wetting tension surface Outside, Modified treated glossy surface Inside

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	PROPERTIES	POSITION	T18TTIHR-PCR50	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	18	µ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	GSM	-	16.38	g/m^2	Internal Method
	Yield	-	61.05	m^2/kg	Internal Method
OPTICAL	Haze	-	2.5	%	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	1300	kg/cm^2	ASTM D 882
		-TD	2500		
	Elongation (at break)	-MD	180	%	ASTM D 882
		-TD	60		
	Elastic Modulus	-MD	20000	kg/cm^2	ASTM D 882
		-TD	36000		
THERMAL	Thermal Shrinkage	MD	3	%	ASTM D 1204
		TD	1		

* 38 dyne/cm guaranteed for 3 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 except wetting tension.