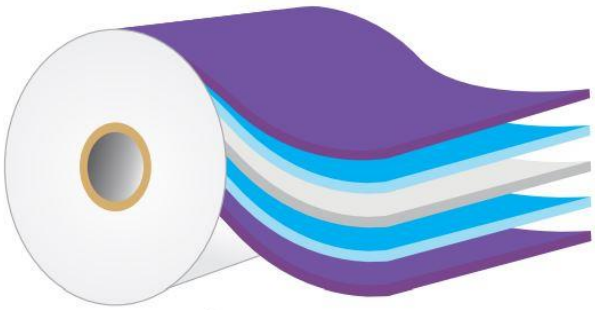
TECHNICAL DATA SHEET

TOPPAN

PROVISIONAL

TDS18TILS-PCR50

TRANSPARENT LOW HEAT SEAL TEMPERATURE HIGH HOT-TACK HIGH SEAL STRENGTH CORONA TREATED ONE SIDE FOR HIGH SPEED PACKAGING APPLICATION



Corona treated heat seal surface
Tie Layer
OPP core
Tie Layer
Untreated low heat seal surface

18 MICRONS

AVAILABLE CALIPERS

DESCRIPTION

TDS18TILS-PCR50 is transparent co-extruded **BOPP** film with Low initiation Temperature (SIT~90°C) on one side and corona treated on other side. Untreated heat-seal surface have good seal strength on low Initiation temperature and broad sealing range which gives optimum performance on wide range of packaging machines. It contains 50% Post Consumer Recycle (PCR) material.

PRODUCT FEATURES

- It contains 50% + Certified Recycled Resin
- Good sealing properties
- Good performance on HFFS & VFFS machines
- Good printability and suitable for lamination with other substrates
- Good optical properties
- Good stiffness & mechanical properties

APPLICATIONS

Can be used as as a single web or in laminate structures;

- Chips/ Snacks/ Pasta
- Standup pouch
- Confectionary (Chocolate/ Gum/ Sugar)
- Bakery (Biscuits/ Cookie/ Crackers)
- Health & Beauty care
- Household & detergents

NOMENCLATURE

TDS18TILS-PCR50... Corona treated printable surface Inside, Untreated Heat seal surface Outside
TDS18TOLS-PCR50... Corona treated printable surface Outside, Untreated Heat seal surface Inside

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	PROPERTIES	POSITION	TDS18TILS-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	-	90	GU	ASTM D 2457
SURFACE	Dynamic COF	Film / Film	0.40	-	Internal Method
	Wetting Tension	-	38*	dynes/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	-MD -TD	1200 2700	kg/cm^2	ASTM D 882
	Elongation (at break)	-MD -TD	190 60	%	ASTM D 882
	Elastic Modulus	-MD -TD	16000 28000	kg/cm^2	ASTM D 882
THERMAL	Thermal Shrinkage	MD TD	4 2	%	ASTM D 1204
	Heat Initiation Temp.	-	90	°C	Internal Method
	Heat Seal Strength	-	400	gf/25mm	Internal Method (130°C, 1.0sec, 30psi)
BARRIER	WVTR (38°C,90% rh)	-	8.5	$g/m^2/day$	ASTM F 1249
	OXTR (23°C,0% rh)	-	2400	$cc/m^2/day$	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
- Please make sure printing surface is well dried before lamination