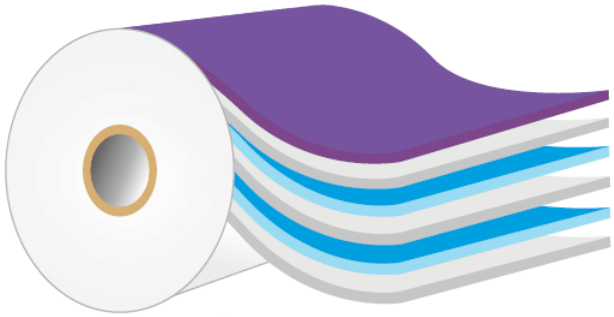
TECHNICAL DATA SHEET

TOPPAN

PROVISIONAL

TS20TIHCFU-PCR50

TRANSPARENT SPECIALLY CHEMICAL TREATED ONE SIDE & OTHER SIDE HEAT SEALABLE WITH LOW INITIATION TEMPERATURE & HIGH CO-EFFICIENT OF FRICTION GRADE FOR CONVERSION



Specially chemical treated surface
Corona treated heat seal surface
Tie Layer
OPP Core Layer
Tie Layer
Untreated High COF heat seal surface

20 MICRONS

AVAILABLE CALIPERS

DESCRIPTION

TS20TIHCFU-PCR50 is transparent co-extruded both side heat sealable **BOPP** film with low seal initiation temperature (SIT ~ 105°C) on one side & other side especially chemical treated surface. Untreated side is specially designed for high speed packaging where its wide seal operating window can be used on high speed machines. It's Untreated heat-seal surface is specifically designed with high co-efficient of friction to provide anti-skid properties. It contains 50% Post Consumer Recycle (PCR) material.

PRODUCT FEATURES

- Wide sealing range with low seal initiation temperature (SIT ~ 105°C)
- It contains 50% + Certified Recycled Resin
- Special High COF at untreated surface to facilitate anti-skid during stacking
- Good treatment retention, printability and suitable for lamination with other substrates
- Good optical properties
- Good stiffness & mechanical properties
- Non-toxic suitable for food contact application
- Lap sealable

APPLICATIONS

Outside print web typically laminated to woven PP for use in multi-wall bags for food and Industrial products;

- Pet food bags
- Rice bags
- Bulk tea bags
- Bulk packaging bags

NOMENCLATURE

TSTIHCFU-PCR50 - Specially chemical treated side is Inside, Untreated High COF side is Outside
TSTOHCFU-PCR50- Specially chemical treatment side is Outside, Untreated High COF side is Inside

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	PROPERTIES	POSITION	TS20TIHCFU-PCR50	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	20	µ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	GSM	-	18.2	g/m^2	Internal Method
	Yield	-	54.9	m^2/kg	Internal Method
OPTICAL	Haze	-	2.5	%	ASTM D 1003
	Gloss	-	90	GU	ASTM D 2457
SURFACE	Static COF	Film / Film	0.70*	-	Internal Method
	Wetting Tension	-	42	dynes/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	-MD -TD	1300 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	Linear Shrinkage	-MD -TD	4 2	%	ASTM D 1204 (120°C, 5min)
	Seal Initiation Temp.	-	105	-	Internal Method
	Heat Seal Strength	-	400	-	Internal Method (130°C/1sec/30psi)

* Static Co-officiant of Friction is guaranteed ≥ 0.50 for 06 month from date of invoice.

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 Static COF