

PROVISIONAL

TS20TIF-TPN30

TRANSPARENT HEAT SEALABLE, ONE SIDE CORONA TREATED BOPP BASE
SUBSTRATE FOR COATING / VACUUM METALLISATION PROCESS



Corona treated Heat seal Surface
Tie Layer
OPP Core
Tie Layer
Untreated Heat Seal Surface



AVAILABLE
CALIPERS

DESCRIPTION

TS20TIF-TPN30 is a Transparent Co-extruded BOPP film. It is one side corona treated & other side is Heat Sealable. Film is specifically designed to use as base substrate to develop/produce Retortable UHB BOPP film through SIOX/ALOX.

PRODUCT FEATURES

- Good Stiffness and Mechanical Properties
- Good Thermal Dimension Stability / Shrinkage
- Good Optics
- Good Printability & suitable for lamination with other substances

APPLICATIONS

Film is suitable as base substrate for coating & Special Vacuum metallization Process e.g.

- SIOX/ALOX

NOMENCLATURE

TS20TIF-TPN30... Wetting tension Surface Inside, Untreated Heat Seal Surface Outside
TS20TOF-TPN30... Wetting tension Surface Outside, Untreated Heat Seal Surface Inside

IMPORTANT NOTE

- This technical data is specific to TS20TIF-TPN30 Trial no. - 9, 10 & 11.
- TS20TIF-TPN30 Trial-11 Non-Corona Surface is Non Heat Sealable.

PROVISIONAL

	PROPERTIES	POSITION	TS20TIF-TPN30	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	20	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	GSM	-	18.20	g/m ²	Internal Method
	Yield	-	54.9	m ² /kg	Internal Method
OPTICAL	Haze	-	2.5	%	ASTM D 1003
	Gloss	-	95	GU	ASTM D 2457
SURFACE	Dynamic COF	Utr/Utr	0.40	-	Internal Method
		Utr/Metal	0.25	-	Internal Method
	Wetting Tension	-	38*	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	200 60	%	ASTM D 882
	Elastic Modulus	-MD -TD	18000 36000	kg/cm ²	ASTM D 882
THERMAL	Linear Shrinkage (max)	- -	4 2	%	ASTM D 1204
	Heat Seal Range	-	NA	°C	Internal Method
	Heat Seal Strength	-	NA	g/25mm	Internal Method (130°C/1sec/30psi)

* 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