

PROVISIONAL

TDHS20TI

TRANSPARENT HEAT SEALABLE LOW SIT & HIGH HSS HERMETIC SEAL, ONE SIDE CORONA TREATED BOPP FILM FOR CONVERSION



Corona treated heat seal surface
Tie Layer
OPP Core Layer
Tie Layer
Untreated High HSS, low SIT surface



AVAILABLE
CALIPERS

DESCRIPTION

TDHS20TI is transparent co-extruded both side heat sealable **BOPP** film with Low Initiation Temperature 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. Its hermetic seal provides optimum performance on wide range of packaging machines.

PRODUCT FEATURES

- Low seal initiation temperature (95°C)
- Outstanding sealing properties in terms of HSS & HTS
- Good performances of HFFS & VFFS machines
- Good printability and suitable for lamination with other substrates
- Good optical properties
- Good stiffness & mechanical properties
- Non-toxic suitable for food contact application

APPLICATIONS

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

- Confectionery (Chocolate/ Gum/ Sugar)
- Bakery (Biscuits/ Cookie/ Crackers)
- Health & Beauty care
- Chips / Snacks / Pasta
- Household & detergent

NOMENCLATURE

TDHS20TI - Corona treatment side is Inside, Untreated High HSS side is Outside
TDHS20TO - Corona treatment side is Outside, Untreated High HSS side is Inside

TOPPAN SPECIALITY FILMS

PROVISIONAL

	PROPERTIES	POSITION	TDHS20TI	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	-	3.0	%	ASTM D 1003
	Gloss	-	90	GU	ASTM D 2457
SURFACE	Static COF	Film / Film	0.40	-	ASTM D 1894
	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	190 60	%	ASTM D 882
	Elastic Modulus	-MD -TD	18000 32000	kg/cm ²	ASTM D 882
THERMAL	Linear Shrinkage	-MD -TD	4 2	%	ASTM D 1204
	Seal Initiation Temp.	-	95	°C	Internal Method
	Heat Seal Strength	-	1200	gf/25mm	Internal Method (130°C/1sec/30psi)

* 38 dyne/cm guaranteed for 6 months from the invoice date in controlled ambient condition as per below 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