

TDS18TOV

BOPP FILMS

TRANSPARENT HEAT SEALABLE WITH LOW INITIATION TEMPERATURE
CORONA TREATED ONE SIDE FOR METALIZATION



DESCRIPTION

TDST18OV is transparent co-extruded heat sealable BOPP film for metalization. It is one side corona treated mainly for metalization and other side untreated heat seal surface with low initiation temperature having good seal strength and sealing range which gives optimum performance on wide range of packaging machines.

PRODUCT FEATURES

- Good sealing properties
- Low Seal Initiation Temperature (SIT~95°C)
- Good performance on HFFS & VFFS machines
- Better treatment retention for good metal bond strength
- Good optical properties
- Good stiffness and mechanical properties

APPLICATIONS

Base film for metalization

NOMENCLATURE

TDS18TOV - Outside Corona treated surface for metallization, Inside Heat seal surface
TDS18TIV - Inside Corona treated surface for metallization, Outside Heat seal surface

	PROPERTIES	POSITION	TDS18TOV	UNIT	METHOD
GENERAL	Nominal Thickness	-	18	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	16.38	g/m ²	Internal Method
	Yield	-	61.1	m ² /kg	Internal Method
OPTICAL	Haze	-	2.5	%	ASTM D 1003
	Gloss	-	90	GU	ASTM D 2457
SURFACE	COF (Dynamic)	Film/Film	0.35	-	ASTM D 1894
	Wetting Tension	-	38	dyne/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD	1300	kg/cm ²	ASTM D 882
		- TD	2700		
	Elongation (at break)	- MD	200	%	ASTM D 882
		- TD	70		
	Elastic Modulus	- MD	18000	kg/cm ²	ASTM D 882
THERMAL		- TD	28000		
	Linear Shrinkage (max)	- MD	4	%	ASTM D 1204
		- TD	2		
	Heat Seal Range	-	95-145	°C	Internal Method
	Seal St		350	g/25mm	Internal Method (130°C/1sec/30psi)

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