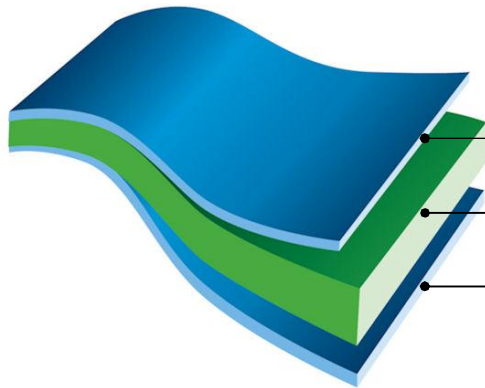




TLS

BoPP transparent film, one side very wide heat seal range , treated



Treated heat sealable layer

OPP core

Low heat sealing layer (MST=85°C)

PROPERTIES

- Non treated low heat sealing layer (MST=85°C)
- Heat sealable on both sides
- Good hot-tack
- Good moisture barrier
- Good antistatic and slip properties

TYPICAL APPLICATIONS

- Very high packaging speed on HFFS packaging machines
- Rotogravure and flexographic printing
- Lamination
- Single web structure
- VFFS packaging

ROLL SIZE AVAILABILITY*

Film	Standard Length (m)	4x (m)	6x (m)	8x (m)
TLS 18	3,550	14,200	21,300	28,000
TLS 20	3,200	12,800	19,200	25,600
TLS 25	2,550	10,200	15,300	20,400

Outside diameter – core 76 mm	305 mm	588 mm	716 mm	825mm
Outside diameter - core 152 mm	337 mm	605 mm	730 mm	838 mm

*Regional availability of roll sizes (multiples of standard length)-please refer to the corresponding Sales Representative

Properties	Method	Unit	Ref.	Typical values		
Nominal thickness	Internal method	µm		18	20	25
Unit weight		g/m ²		16.4	18.2	22.8
Yield		m ² /kg		61.0	54.9	44.0
Tensile strength	ASTM D882	N/mm ²	MD TD	140 280		
Elongation at break		%	MD TD	180 50		
Haze	ASTM D1003	%		2.0		2.3
Gloss (45°)	ASTM D2457	Gloss Unit		85		
Dynamic cof	ASTM D1894		NT/NT	0.30		
Thermal shrinkage	Internal method (130°C , 5 mins)	%	MD TD	6.0 3.0		
Heat seal range	Internal method	°C	NT/NT	85-140		
Seal strength	Internal method 130°C ;0.5 s	g/cm		170	200	
Treatment level	ASTM D2578	mN/m		38		
Water vapour permeability	ASTM F1249 (38°C - 90% RH)	g/m ² /d		7.0		6.0

Tolerance		
Weight	≤ 1.000 kg	± 20%
	1.001-10.000 kg	± 10%
	> 10.000 kg	± 5%

STORAGE, HANDLING AND APPLICATION

TLS does not require special storage conditions. A storage temperature between 20°C to 30°C is recommended in order to minimise the deterioration of the film properties in general. It is advisable to turn over the inventory according to the delivery date (first in-first out). The film should be conditioned in the operating environment at least for 24 hours before processing. TLS is suitable for use up to 6 months from the date of production.

INDICATION OF SURFACE TREATMENT

TLS is usually supplied with treatment on the outside surface (TO). TLS can also be supplied with treatment on the inside surface (TI) as well. This must be agreed with our sales representative before processing the order.

FOOD CONTACT

TLS film complies with EC and FDA regulations. Specific document and MSDS are available upon request

The property values represented in the table do not constitute product specifications, but represent the average or typical values. Use of this information is limited to the specific recipient. While the information is accurate to the best of our knowledge as of the date compiled, it is limited to the information as specified. No representation or warranty, expressed or implied, is made regarding the information, or its completeness or fitness to a particular use. The user is solely responsible for all determinations regarding use and we disclaim liability for any loss or damage that may occur from the use of this information. Ti does not guarantee the typical (or other) values.