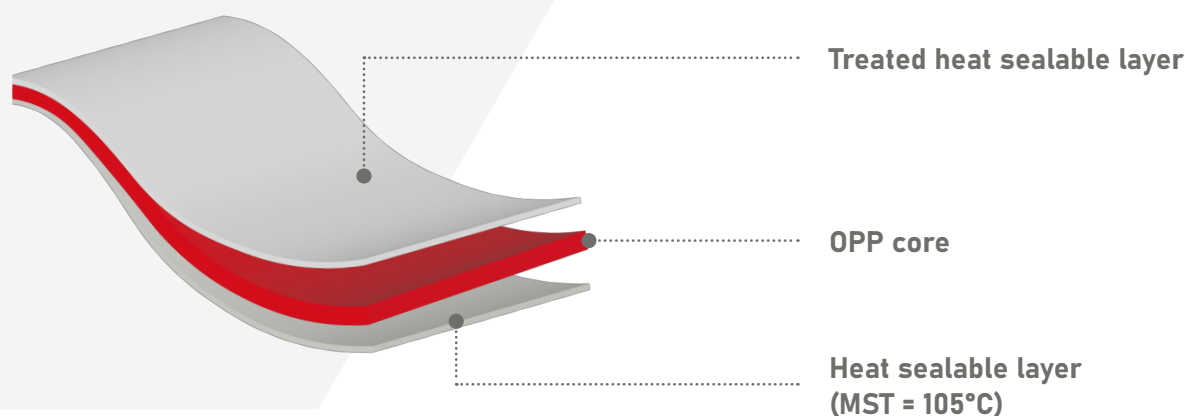


TSS - BoPP transparent film



PROPERTIES

- Heat sealable on both sides
- Good mechanical properties
- Good moisture barrier
- Good antistatic and slip properties

TYPICAL APPLICATIONS

- Rotogravure and flexographic printing
- Lamination
- Single web structure
- HFFS and VFFS packaging
- General wrapping

Film	Standard length* (m)	4x ** (m)	7x (m)
15 μ	4,250	17,000	29,750
18 μ	3,550	14,200	24,850
20 μ	3,200	12,800	22,400
25 μ	2,550	10,200	17,850
30 μ	2,100	8,400	14,700
35 μ	1,800	7,200	12,600
40 μ	1,600	6,400	11,200
48 μ	1,350	5,400	9,450
Outside diameter – core 76 mm	305 mm	588 mm	
Outside diameter – core 152 mm	337 mm	605 mm	783 mm

Film	Standard length* (m)	4x (m)	6x (m)	8x (m)
17 μ	3,750	15,000	22,500	30,000
23 μ	2,750	11,000	16,500	22,000
Outside diameter – core 76 mm	305 mm	588 mm	716 mm	825 mm
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.

**Length rolls on 152 mm cores could be produced with reduced length in Europe to maintain roll diameters below 600 mm.

Properties		Unit	Typical values										Testing method
Thickness		Micron	15	17	18	20	23	25	30	35	40	48	Internal method
Weight		g/m²	13.7	15.5	16.4	18.2	20.9	22.8	27.3	31.9	36.4	43.7	
Yield		m²/kg	73.3	64.5	61.0	54.9	47.8	44.0	36.6	31.4	27.5	22.9	
Tensile strength (Min)	MD	N/mm²	140										ASTM D882
	TD		280										
Elongation at break	MD	%	180										
	TD		50										
Dynamic COF	NT / NT	-	0.25										Internal method
Haze		%	2.0					2.3		2.6			ASTM D1003
Gloss (45°)		Gloss unit	85										ASTM D2457
Thermal shrinkage	MD	%	6.0										OPMA TC4(a)
	TD		3.0										
Heat seal range	NT / NT	°C	105 - 140										Internal method
Seal strength (130°C ; 0.5 sec.)	NT / NT	g/cm	170					230		300			
Treatment level		mN/m	38										ASTM D2578
Water vapour permeability (38°C - 90% RH)		g/m²/d	8.0	8.0	5.8	5.5	8.0	4.5	3.5	3.0	2.5	2.0	ASTM F1249

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

STORAGE, HANDLING AND APPLICATION: This film does not require particular storage conditions. A storage temperature below 30°C is recommended in order to minimize 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. This film is suitable for use up to 6 months from the date of production.

INDICATION OF SURFACE TREATMENT: This film is usually supplied with treatment on the outside surface (T0). It can be supplied either with treatment on the inside surface (TI) or treated on both sides (DO, DI). This must be agreed with our sales representative before processing the order.

FOOD CONTACT: This film complies with EU and FDA regulations. Specific documents and MSDS are available on request.

DISCLAIMER: The property values represented in the table do not constitute product specifications but represent the average or typical values. The 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 the use of this film, and we disclaim liability for any loss or damage that may occur from the use of this information. AERA does not guarantee the typical (or other) values.

MATERIAL CLASSIFICATION
 (As per Commission Decision 97/129/CE)

