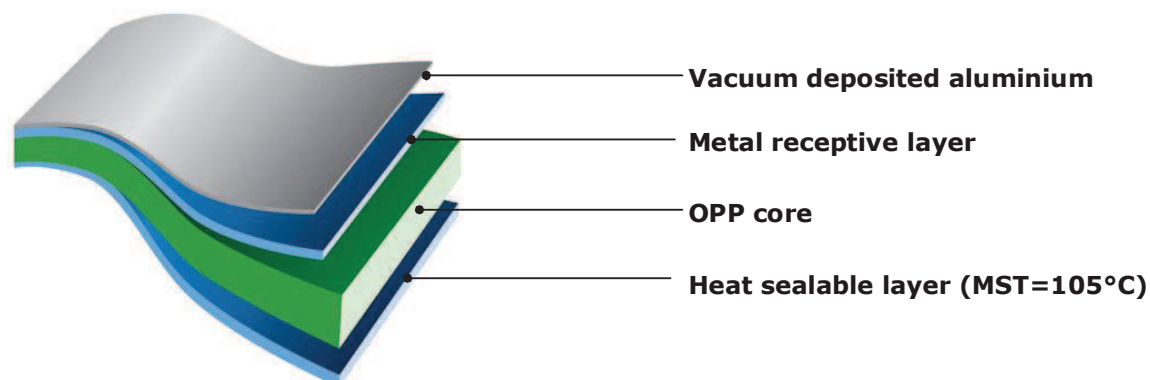




ZSS

BoPP metallised film, heat sealable



PROPERTIES

- Very good moisture barrier
- Good oxygen barrier
- Good mechanical properties
- High light barrier

TYPICAL APPLICATIONS

- Rotogravure and flexographic printing
- Lamination
- Single web application for thick film
- HFFS and VFFS packaging

ROLL SIZE AVAILABILITY*

Film	Standard Length (m)	4x (m)	6x (m)	8x (m)
ZSS 15	4,250	17,000	25,500	34,000
ZSS 18	3,550	14,200	21,300	28,400
ZSS 20	3,200	12,800	19,200	25,600
ZSS 25	2,550	10,200	15,300	20,400
ZSS 30	2,100	8,400	12,600	16,800
ZSS 35	1,800	7,200	10,800	14,400
ZSS 40	1,600	4,800	9,600	12,800
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		15	18	20	25	30	35	40
Unit weight		g/m ²		13.7	16.4	18.2	22.8	27.3	31.9	36.4
Yield		m ² /kg		73.3	61.1	54.9	44.0	36.6	31.4	27.5
Tensile strength	ASTM D882	N/mm ²	MD TD	140						
Elongation at break				%	MD TD	180				
Optical density (O.D)	Internal Method			2.0						
Dynamic cof	ASTM D1894		NT/NT	0.30						
Thermal shrinkage	Internal method (130°C , 5 mins)	%	MD TD	6.0						
Heat seal range	Internal method	°C	NT/NT	105-140						
Seal strength	Internal method 130°C ;0.5 s	g/cm		160	180	220	240	260	270	280
Oxygen permeability	ASTMD3985 23°C 0% RH	cm ³ /m ² /d		90						
Water vapour permeability	ASTM F1249 (38°C - 90% RH)	g/m ² /d		0.5						

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

STORAGE, HANDLING AND APPLICATION

ZSS does not require special storage conditions. A storage temperature between 20 °C and 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. ZSS is suitable for use up to 6 months from the date of production..

PRINTABILITY/ LAMINATION

In line refreshment of corona treatment is strongly recommended before processing the material. An adequate primer is recommended when the metallised surface is to be printed. The metalized surface can normally be laminated with appropriate products.

INDICATION OF SURFACE TREATMENT

ZSS is usually supplied with metallised side on the outside surface (TO). ZSS can be supplied with metallised side on the inside surface (TI). This must be agreed with our sales representative before processing the order.

FOOD CONTACT

ZSS 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.