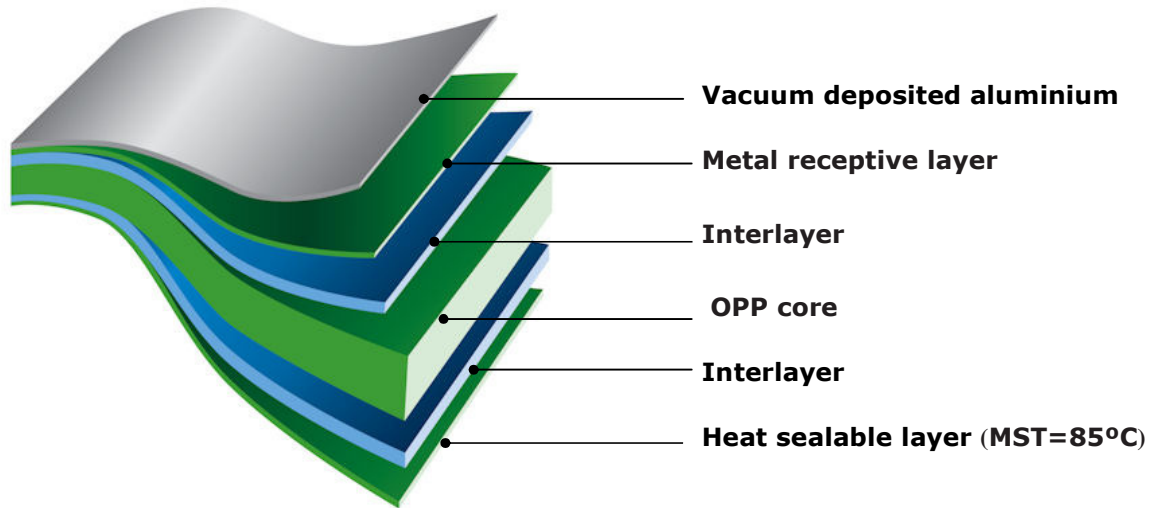




ZVS

BOPP metallised Film, improved heat seal strength



PROPERTIES

- Heat sealable on the non treated side (minimum heat sealing temperature: 85°C) Improved heat seal strength on non treated side.
- Excellent moisture barrier properties
- Good gas barrier property
- High light barrier property
- High Hot Tack
- Suitable for food contact

TYPICAL APPLICATIONS

- Low sealing temperature allows high packaging speed and better seal integrity
- Particularly indicated where light, moisture or gas barrier properties are required (only 0.63% of light radiation is transmitted with an O.D. =2.2)
- Lamination with other substrate (e.g. TSS)

ROLL SIZE AVAILABILITY*

Film	Standard Length (m)	4x (m)	6x (m)	8x (m)
ZVS 18	3,550	14,200	21,300	28,400
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
Unit weight		g/m ²		16.4
Yield		m ² /kg		61.0
Tensile strength	ASTM D882	N/mm ²	MD TD	120 230
Elongation at break		%	MD TD	190 70
Optical density (O.D.)	Internal Method			2.2
Dynamic cof	ASTM D1894		NT/NT	0.45
Thermal shrinkage	OPMA TC4(a)	%	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		300
Oxygen permeability	ASTM D3985 (23°C -0% RH)	cm ³ /m ² /d		60
Water vapour permeability	ASTM F1249 (38°C - 90% RH)	g/m ² /d		0.50

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

STORAGE, HANDLING AND APPLICATION

ZVS 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. ZVS is suitable for use up to 6 months from the date of production..

LAMINATION

In line refreshment of corona treatment is strongly recommended before processing of the material. The metallised surface can normally be laminated with appropriate products.

TREATMENT INDICATION

The film is normally supplied with outside metallised side (TO). The version with inside metallised side (TI) can however be supplied subject to agreement with our Sales Department.

FOOD CONTACT

The film complies with EU and FDA regulations. Specific document and safety data sheet 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.