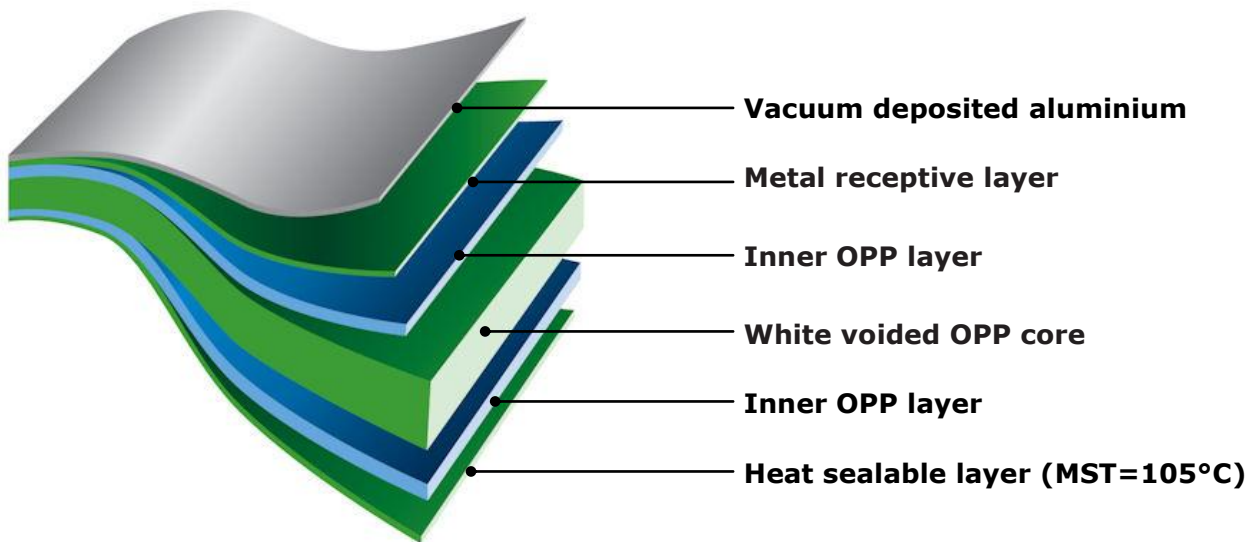




ZRD

BoPP metallised white voided film, one side heat sealable



PROPERTIES

- White appearance on non metallised side
- High gloss surface
- High yield
- Excellent light protection
- Excellent moisture barrier
- Good oxygen barrier
- Consistent and improved slip

TYPICAL APPLICATIONS

- Rotogravure and flexographic printing
- Lamination
- Single web structure
- Suitable for cold seal adhesives
- HFFS and VFFS packaging

ROLL SIZE AVAILABILITY*

Film	Standard Length (m)	4x ** (m)	7x (m)
ZRD 28	2,250	9000	15,750
ZRD 35	1,800	7,200	12,600

Outside diameter – core 76 mm	305 mm	588 mm	
Outside diameter - core 152 mm	337 mm	605 mm	783 mm

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

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

Properties	Method	Unit	Ref.	Typical values	
Nominal thickness	Internal method	µm		28	35
Unit weight		g/m ²		20.8	26.0
Yield		m ² /kg		48.1	38.5
Tensile strength	ASTM D882	N/mm ²	MD TD	100 200	
Elongation at break		%	MD TD	130 45	
Optical density (O.D.)	Internal Method			3.3	
Dynamic cof	ASTM D1894		NT/NT	0.25	
Thermal shrinkage	OPMA TC4(a)	%	MD TD	6.0 4.0	
Heat seal range	Internal method	°C	NT/NT	105÷140	
Seal strength	Internal method 130°C ;0.5 s	g/cm		200	
Oxygen permeability	ASTMD3985 (23°C - 0% RH)	cm ³ /m ² /d		50	
Water vapour permeability	ASTM F1249 (38°C - 90% RH)	g/m ² /d		0.25	

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

STORAGE, HANDLING AND APPLICATION

ZRD does not require special storage conditions. A storage temperature below 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. ZRD is suitable for use up to 6 months from the date of production.

PRINTABILITY / LAMINATION

Before printing or laminating the use of an inline Corona station is highly recommended in order to boost treat the metal surface. Further it is advisable to use adequate primer when the metallised surface is to be printed.

INDICATION OF SURFACE TREATMENT

ZRD is usually supplied with aluminium on the outside surface (TO).

ZRD can be supplied with aluminium on the inside surface (TI). This must be agreed with our sales representative before processing the order.

FOOD CONTACT

ZRD complies with EC and FDA regulations. Specific documents and MSDS are available on 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.