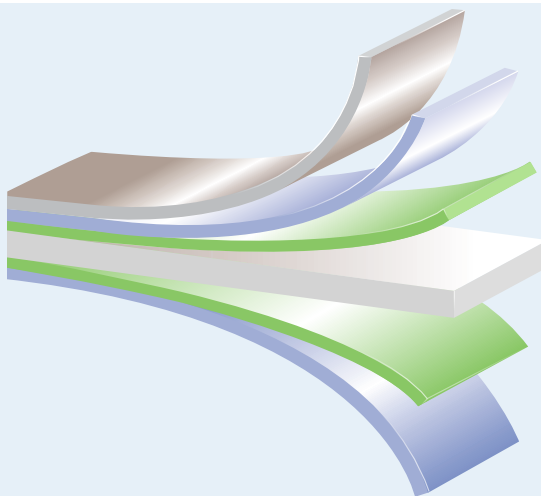


Propafilm™ ZB

Technical Data Sheet

ZB - Metallised biaxially oriented polypropylene film, heat sealable (non-metallised side), high barrier, both sides corona treated



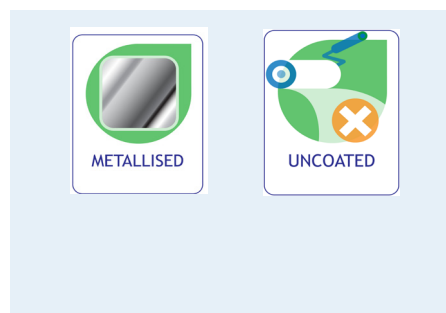
- Vacuum Deposited Aluminium
- Treated Metal Receptive Layer
- Transparent OPP Interlayer
- Transparent OPP Core
- Transparent OPP Interlayer
- Treated Heat Sealable Layer

Features

- Both sides corona treated
- Heat sealable (non-metallised side)
- High light barrier
- High water vapour and aroma barrier

Applications

- For DUPLEX, TRIPLEX laminates
- For COLD SEAL laminates



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	ZB	
Thickness	ISO 4593		micron	20	30
Yield Unit weight	ISO 536		m ² /kg g/m ²	55.56 18.00	37.04 27.00
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH	g/m ² .24 hrs	0.40	
Oxygen	ASTM F 1927	23°C 0% RH	cc/m ² .24 hrs	90	
Density	ISO 845		g/cm ³	0.90	
Aluminium adhesion to film	Innovia Films test			5.0	
Coefficient of friction (inner/inner)	ISO 8295	Dynamic		0.35	
Tensile Strength	ISO 527-1,-3		N/mm ²	MD TD	140 280
Elongation at break	ISO 527-1,-3		%	MD TD	200 50
Thermal shrinkage	Innovia Films test	120°C, 5'	%	MD TD	3.0 1.0
Sealing range*	Innovia Films test	1"; 150N; 130°C	°C	105-140	
Optical Density	Innovia Films test			2.2	

*The selection of sealing temperatures depends on the characteristic of heat sealing bars and packaging process speed.

MD Machine Direction TD Transverse Direction
All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH, unless otherwise stated. Where relevant, tests are based on international testing standards.

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Reel Specifications

Nominal Reel Diameters

Film	Outside Diameter 570mm (metres) - core 152mm	Outside Diameter 770mm (metres) - core 152mm	Outside Diameter 980mm (metres) - core 152mm
ZB20	11250	21200	34950
ZB30	7500	14150	23300

ns= non standard.

Other reel lengths are available subject to negotiation.

Reel Labelling

Different films have various special surfaces; these are indicated on the reel labels.

Film Storage and Handling

Recommended processing conditions: 15-35°C, humidity below 75% RH. Before processing it is recommended to season the film in the processing conditions at temperature 20°C for a minimum of 24 hours.

In case of transporting or storing the film:

- below +15°C or above +35°C seasoning time should be extended to 48 hours;
- below + 5°C or above +40°C seasoning time should be extended to 72 hours.

Compliance with the above guarantees correct film processing.

The suitability for printing and lamination is guaranteed for 30 days from the date of production.

Before the lamination process, the film must be additionally activated (metallised surface).

Before the printing process, the film must be additionally activated and primer must be applied (metallised surface).

Food Contact

Propafilm™ ZB complies with the applicable EU legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use Propafilm™ ZB in a food contact application should request a copy of this document from Innovia Films. Details of compliance with food contact legislation in non-EU countries are also available upon request.

Health & Safety Guidelines

For Health & Safety information, please refer to Innovia Poland's Quality documents.

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