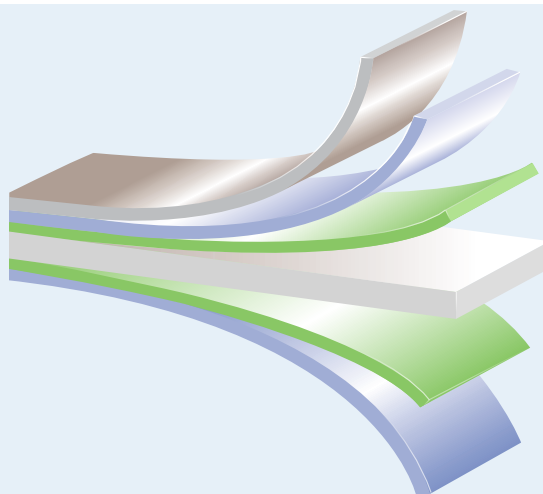


Propafilm™ BZ

Technical Data Sheet



BZ - Metallised biaxially oriented polypropylene film, heat sealable (non-metallised side), one side corona treated



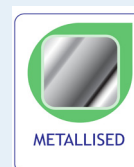
- Vacuum Deposited Aluminium
- Treated Metal Receptive Layer
- Transparent OPP Interlayer
- Transparent OPP Core
- Transparent OPP Interlayer
- Non Treated Heat Sealable Layer

Features

- One side corona treated (outer side of the reel – metallised side)
- High light barrier properties
- High water vapour and aroma barrier properties

Applications

- Thin films (20 micron) for lamination on the metallised side (i.e. chips, snacks packaging)
- Thick films (30/35micron) are used for printing on the metallised side for packaging (ice creams, chocolate products, cook-ies etc.), labels for PET bottles and also for technical and insulating materials.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	BZ						
				18	20	23	25	28	30	35
Thickness	ISO 4593		micron	18	20	23	25	28	30	35
Yield Unit weight	ISO 536		m ² /kg g/m ²	61.73 16.20	55.56 18.00	48.31 20.70	44.44 22.50	39.68 25.20	37.08 27.00	31.75 31.50
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH	g/m ² .24 hrs	0.30						
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				
				180		55				
Thermal shrinkage	Innovia Films test	120°C, 5'	%	MD		TD				
				6.0		3.0				
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
BZ18	12500	23600	38800
BZ20	11250	21200	34950
BZ23	9750	18450	30350
BZ25	9000	17000	27950
BZ28	8000	15150	24950
BZ30	7500	14150	23300
BZ35	6400	12150	19950

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™ BZ 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™ BZ 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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