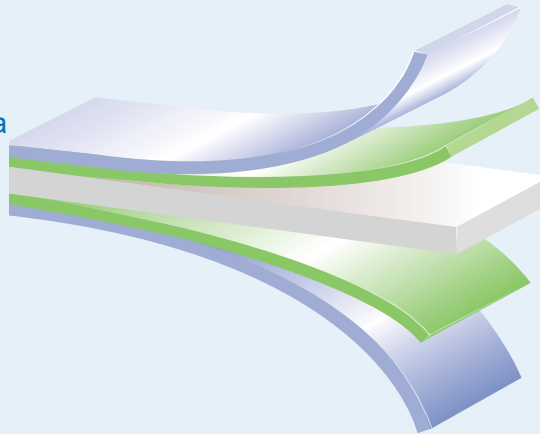


Propafilm™ BG

Technical Data Sheet

BG - Clear Biaxially oriented polypropylene (BOPP) film, both sides heat sealable, one side corona treated, for general purpose



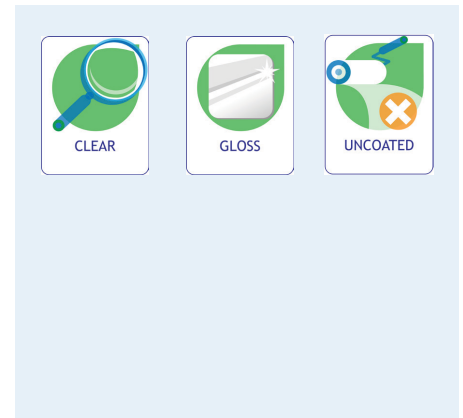
- Treated Heat Sealable Layer
- Transparent OPP Interlayer
- Transparent OPP Core
- Transparent OPP Interlayer
- Heat Sealable Layer

Features

- One side corona treated (outer side of the reel)
- High transparency and gloss
- Good mechanical properties
- Perfect sealability
- Low water vapour and odour permeability
- Slip and antiblock properties facilitate its processing on packaging machines

Applications

- Flexographic and rotogravure printing
- Lamination
- Horizontal and vertical packaging machines (HFFS-VFFS)
- Labels for PET bottles
- For packaging of confectionery products (i.e. cakes, gingerbreads, chocolate bars, wafers) boxes wrapping up (tea, coffee, cosmetics, CDs, DVDs) fancy goods, clothes, noodles, chips, crisps, bakery products



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	BG												
				15	17	18	20	23	25	28	30	35	40	50	58	
Thickness	ISO 4593		micron													
Yield	ISO 536		m ² /kg g/m ²	74.07	65.36	61.73	55.56	48.31	44.44	39.68	37.04	31.75	27.78	22.22	19.16	
Unit weight				13.50	15.30	16.20	18.00	20.70	22.50	25.20	27.00	31.50	36.00	45.00	52.20	
Density	ISO 845		g/cm ³	0.90												
Haze (wide angle)	ASTM D 1003	2.5°	%	2.0												
Gloss	ASTM D 2457	45°	GU	95-100												
Coefficient of friction (inner/inner)	ISO 8295	Dynamic		0.25												
Corona treatment	ISO 8296		mN/m (dyne)	38												
Tensile Strength	ISO 527-1,-3		N/mm ²	MD	145											
					TD	300										
Elongation at break	ISO 527-1,-3		%	MD		190										240
					TD	50										
Thermal shrinkage	Innovia Films test	120°C, 5'	%	MD		3.0										
					TD	1.0										
Sealing range*	Innovia Films test	1"; 150N; 130°C	°C	105-140												
Heat seal strength (inner/inner)	Innovia Films test	1"; 150N; 130°C	N/15mm	2.5			3.0			3.5		5.0		5.5		6.0

*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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Propafilm™ BG

Technical Data Sheet

Reel Specifications

Nominal Reel Diameters

Film	Outside Diameter 570mm (metres) - core 152mm	Outside Diameter 770mm (metres) - core 152mm	Outside Diameter 980mm (metres) - core 152mm
BG15	15000	28300	46600
BG17	13250	25000	41100
BG18	12500	23600	38800
BG20	11250	21200	34950
BG23	9750	18450	30350
BG25	9000	17000	27950
BG28	8000	15150	24950
BG30	7500	14150	23300
BG35	6400	12150	19950
BG40	5600	10600	17450
BG50	4500	8500	13950
BG58	3850	7300	12050

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.

Food Contact

Propafilm™ BG 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™ BG 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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Regional Offices:

Europe (UK) Tel +44 16973 42281

Americas (USA) Tel +1 800 424 6273

Asia-Pacific (Aus) Tel +61 3 9303 0600

www.innoviafilms.com

email: packaging@innoviafilms.com

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