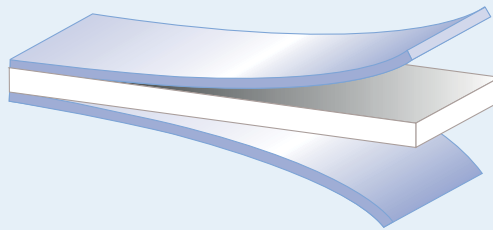


Propafilm™ GID

Technical Data Sheet

GID - Wide seal range, low CoF, heat sealable, two-side sealable coextruded OPP film



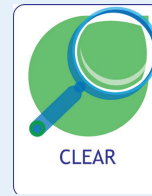
- Treated heat sealable layer (wide 75°F/42°C range)
- OPP core
- Heat sealable layer (wide 80°F/44°C range)

Features

- Wide heat seal range on both sides and opportunity for lower sealing temperatures
- Low CoF on treated side for smooth flow wrapping
- Excellent hot tack for vertical packages
- High transparency, low haze and gloss provide shelf appeal
- Good moisture and odor barrier for product protection

Application

- Horizontal packaging in laminated or single web form
- Vertical packaging in laminated or single web form
- Multi-lane ice cream packaging
- End-fold overwrap utilising the wide seal range and low CoF on both faces
- Ice cream, Bundle Wrap Soaps, Baked Goods and Confectionery



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	GID					
Thickness	ASTM D 4321		micron	25	30	35	40	50	
			gauge	100	120	140	160	200	
Yield	ASTM D 4321		in ² /lb	31,000	25,800	22,100	19,300	15,500	
			m ² /kg	44.0	36.6	31.4	27.5	22.0	
Basis Weight	ASTM D 4321		g/m ²	22.8	27.3	31.9	36.4	45.5	
			lbs/ream	14.0	16.8	19.6	22.4	28.0	
Nominal density			g/cm ³	0.91	0.91	0.91	0.91	0.91	
Tensile strength	Innovia test method		kpsi	MD	23.9	23.9	23.9	23.2	18.9
				TD	47.1	47.1	47.1	46.4	43.5
Elongation at break	Innovia test method		%	MD	165	175	175	210	220
				TD	58	58	58	50	50
Surface tension	ASTM D 2578	Print	mN/m (dyne)	36-39	36-39	36-39	36-39	36-39	
Haze	Innovia test method		%	1.5	1.5	1.5	1.5	1.5	
Coefficient of Friction	ASTM D 1894			0.25	0.25	0.25	0.25	0.25	
MVTR	Innovia test method	38°C (100°F)/90% RH	g/m ² /day	5.0	4.0	3.5	3.2	2.5	
			g/100in ² /day	0.32	0.26	0.25	0.21	0.16	
Heat seal range back	Innovia test method	Back	°C (min/max)	105-150	105-150	105-150	105-150	105-150	
			°F (min/max)	220-300	220-300	220-300	220-300	220-300	
		Print	°C (min/max)	108-150	108-150	108-150	108-150	108-150	
			°F (min/max)	225-300	225-300	225-300	225-300	225-300	
Heat seal strength	Innovia test method	266°F/14.5psi/0.5sec 130°C/10N/0.5sec	g/in	Back	345	380	397	430	483
				Print	2.0	2.2	2.3	2.5	2.8
			N/15mm	Back	2.0	2.2	2.3	2.5	2.8
				Print	2.0	2.2	2.3	2.5	2.8

MD Machine Direction TD Transverse Direction

All properties are tested under standard laboratory conditions: 73 ± 4F, 50 ± 5% RH (23 ± 2°C, 50 ± 5% RH) unless otherwise stated. Where relevant, tests are based on international standards. This document is not a product specification and does not guarantee any specific product attributes. Any existing commercial rights or patents must be observed.

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use our imagination...

Propafilm™ GID

Technical Data Sheet

Conversion

Treatment and Winding	Surface Printing
One surface treated for printing and/or laminating	Ink recommendations for all print processes are available
Treated surface wound to outside of roll	Printing and anti-static properties guaranteed for 6 months only
See roll tag about treatment specific to roll	Excellent web flatness permits higher speed printing
	Run appropriate trials prior to production
	Consult your ink, coating or adhesive supplier

Conversion Note -

Generally PVB or NC-based inks with adequate adhesion promoter are suitable for printing on the film. Drying temperatures should not exceed a web temperature of 170°F (76°C).

Where static electricity may be generated, use of static eliminators and maintaining a relative humidity >50% is recommended.

Lamination

Usually laminated to an Innovia Films' product using solvent-based or solvent-less adhesives.

Nominal Reel Diameters

Film	Length (metres)				
GID 25	1,500	3,000	9,000	18,000	27,000
GID 30	1,250	2,500	7,500	15,000	22,500
GID 35	1,100	2,200	6,600	13,200	19,800
GID 40	938	1,875	5,625	11,250	16,875
GID 45	775	1,550	4,650	9,300	13,950

Film	Length (feet)				
GID 100	4,921	9,843	29,528	59,055	88,583
GID 120	4,101	8,202	24,606	49,213	73,819
GID 140	3,609	7,218	21,654	43,307	64,961
GID 160	3,076	6,152	18,455	36,909	55,364
GID 200	2,543	5,085	15,256	30,512	45,768

Outside Diameter	1/2x	1x	3x	6x	9x
For 3in / 77mm core	9.5" (in) 242mm	13" (in) 330mm	-		
For 6in / 153mm core	-		22.7" (in) 576mm	31.3" (in) 795mm	38.1" (in) 966mm

All rolls are wound to length. Actual OD may vary with thickness and winding density variations.

Film Storage and Handling

The films should be placed in the processing area 24 hours prior to processing, to acclimatise. The films are largely unaffected by climatic conditions but should not be stored at temperatures above 104°F (40°C). Under suitable storage conditions, the film can be stored for a period of 6 months without any risk of deterioration.

Food Contact

Propafilm™ GID is FDA approved for food contact. Please contact Technical Services for other Food Contact statements.

Health & Safety Guidelines

MSDS sheets, as well as other product safety documents, are available for our films upon request.

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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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