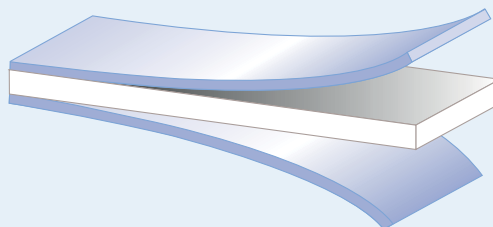


Propafilm™ GPD

Technical Data Sheet

GPD - Slip modified, heat sealable, coextruded OPP film, designed for extrusion lamination



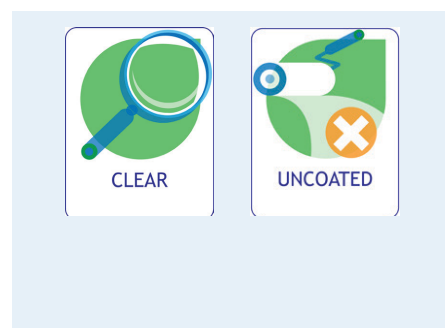
- Slip modified heat sealable layer
- OPP core
- Treated, print layer

Features

- Excellent CoF for VFFS applications including 'drag seal' machines
- High transparency and gloss provide shelf appeal
- Excellent ink and adhesion bonds to treated surface
- Good moisture and odour barrier for product protection
- Non-migratory slip system

Application

- Snacks, pasta, baked goods, confectionery, bundle wrap soap
- Vertical packaging in laminated form
- Horizontal packaging in laminated form
- End fold overwrap in laminated form utilising the wide seal range and good CoF



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	GPD
Thickness	Innovia test method		micron	17
			gauge	70
Yield	ASTM D 4321		in ² /lb	44,200
			m ² /kg	62.8
Basis Weight	ASTM D 4321		g/m ²	15.9
			lbs/ream	9.8
Nominal density	Innovia test method		g/cm ³	0.91
Gloss	Innovia test method		[20°]	100
Haze	Innovia test method		%	<2.5
Surface tension	ASTM D 2578	Print	mN/m (dyne)	36-39
Tensile strength	Innovia test method		kpsi MD	18.85
			TD	43.50
Elongation at break	Innovia test method		% MD	180
			TD	60
Coefficient of Friction	ASTM D 1894	Print Face		0.25
MVTR	Innovia test method	38°C (100°F)/90% RH	g/m ² /day	6.8
			g/100in ² /day	0.44
Heat seal range back	Innovia test method	Back	°C (min/max)	105-150
			°F (min/max)	220-300
Heat seal strength	Innovia test method	266°F/14.5psi/0.5sec 130°C/10N/0.5sec	g/in	311
			N/15mm	1.8

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™ GPD

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.

Nominal Reel Diameters

Film	Length (metres)				
GPD 17	2,150	4,300	12,900	25,800	38,700

Film	Length (feet)				
GPD 70	7,054	14,108	42,323	84,646	129,969

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) 796mm	38.1" (in) 967mm

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™ GPD 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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