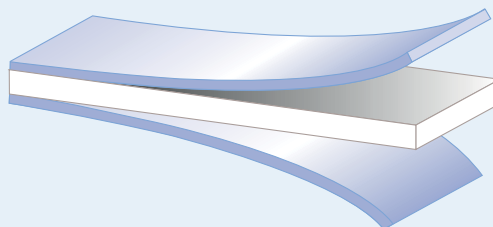


Propafilm™ GTD

Technical Data Sheet

GTD - Wide seal range, coextruded OPP film designed for laminations



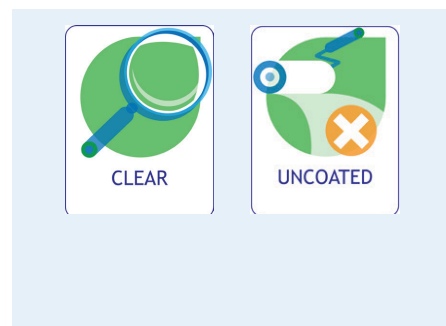
- Treated print layer
- OPP core
- Heat sealable layer (very wide 80° F / 27°C range)

Features

- Excellent hot tack for vertical packages
- Wide heat seal range allows high machine speeds and extending machine life due to lower sealing temperatures
- Good moisture and odour barrier for product protection
- High transparency and gloss provide shelf appeal

Application

- Snacks, pasta, baked goods, confectionery, bundle wrap soap
- Vertical packaging in laminated or single form
- Horizontal packaging in laminated or single web 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	GTD		
Thickness	ASTM D 4321		micron	15	17	20
			gauge	60	70	80
Yield	ASTM D 4321		in ² /lb	51,600	44,200	38,700
			m ² /kg	73.3	62.8	54.9
Basis Weight	ASTM D 4321		g/m ²	13.7	15.9	18.2
			lbs/ream	8.4	9.8	11.2
Nominal density	Innovia test method		g/cm ³	0.91	0.91	0.91
Tensile strength	Innovia test method		kpsi	MD	18.85	18.85
				TD	39.15	43.5
Elongation at break	Innovia test method		%	MD	180	180
				TD	60	60
Surface tension	ASTM D 2578	Print	mN/m (dyne)	36-39	36-39	36-39
Haze	ASTM D 1003		%	1.5	1.5	1.5
Coefficient of Friction	ASTM D 1894	NT Face		0.30	0.30	0.30
MVTR	Innovia test method	38°C (100°F)/90% RH	g/m ² /day	8.0	6.8	6.0
			g/100in ² /day	0.52	0.44	0.39
Heat seal range back	Innovia test method	Back	°C (min/max)	105-150	105-150	105-150
			°F (min/max)	220-300	220-300	220-300
Heat seal strength	Innovia test method	Back 266°F/14.5psi/0.5sec 130°C/10N/0.5sec	N/15mm	311	311	311
			g/in	1.8	1.8	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.

Propafilm™ GTD – 1 of 2 – 0819



use our imagination...

Propafilm™ GTD

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. Usually laminated to Innovia's transparent, metallised or opaque films using solvent-based or solvent-less adhesives

Nominal Reel Diameters

Film	Length (metres)				
GTD 15	2,500	5,000	15,000	30,000	45,000
GTD 17	2,150	4,300	12,900	25,800	38,700
GTD 20	1,875	3,750	11,250	22,500	33,750

Film	Length (feet)				
GTD 60	8,202	16,404	49,213	98,425	147,638
GTD 70	7,054	14,108	42,323	84,646	126,969
GTD 80	6,151	12,303	36,909	73,819	110,728

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™ GTD 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.

Disclaimer: Innovia Films or any of its affiliated companies (hereinafter 'Innovia Films') declines any liability with respect to the use made by any third party of the information contained herein. The information contained herein represents Innovia Films' best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, the accuracy, the completeness or relevance of the data set out herein). Innovia Films is the sole owner or authorised user of the intellectual property rights relating to the information communicated. The information relating to the use of the products is given for information purposes only. No guarantee or warranty is provided that the product is adapted to the client's specific use. The client should perform his own tests to determine the suitability for a particular purpose. The final choice of use of a product remains the sole responsibility of the client.

Propafilm™ GTD – 2 of 2 – 0819

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

™ Trademark of Innovia Films

