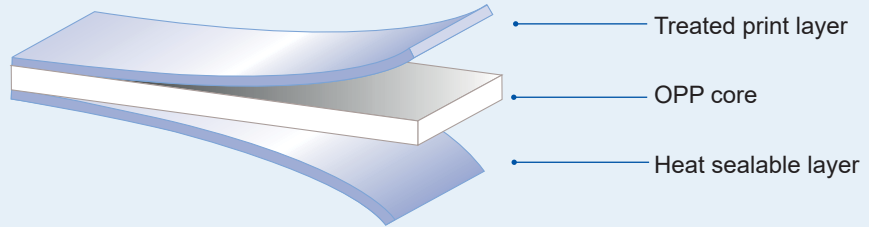


Propafilm™ HID

Technical Data Sheet

HID - Very wide seal range, low CoF, one-side sealable, coextruded OPP film

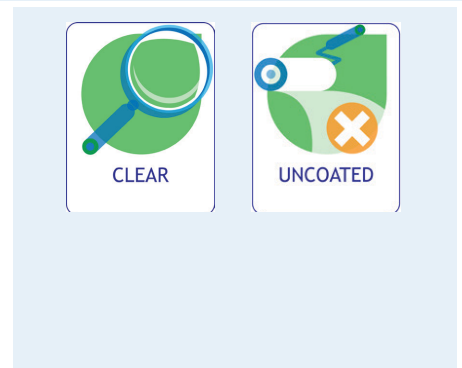


Features

- One side sealable to prevent pack to pack sticking
- Low CoF on treated side for efficient and smooth flow wrapping
- Wide heat seal range for high speed
- Low haze plus high transparency and gloss provide high quality shelf appeal
- Good moisture and odor barrier for product protection

Application

- Multi-lane ice cream packaging
- Vertical packaging in single web or laminated form
- Horizontal packaging in single web or laminated form
- Ice cream novelties
- Baked Goods



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	HID	
Thickness	ASTM D 4321		micron	35	
			gauge	140	
Yield	ASTM D 4321		in ² /lb	22,100	
			m ² /kg	31.4	
Basis Weight	ASTM D 4321		g/m ²	31.9	
			lbs/ream	19.6	
Tensile strength	Innovia test method		kpsi	MD	21.5
				TD	43.5
Elongation at break	Innovia test method		%	MD	195
				TD	60
Surface tension	ASTM D 2578	Print	mN/m (dyne)	36-39	
Haze	Innovia test method		%	1.5	
Coefficient of Friction	ASTM D 1894			0.25	
MVTR	Innovia test method	38°C (100°F)/90% RH	g/m ² /day	3.5	
			g/100in ² /day	0.25	
Heat seal range	Innovia test method		°C (min/max)	80-150	
			°F (min/max)	176-300	
Heat seal strength	Innovia test method	Back to Back 266°F/14.5psi/0.5sec	N/15mm	2.3	
			g/in	397	

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™ HID – 1 of 2 – 0819



use our imagination...

Propafilm™ HID

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 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’ transparent, metallized or opaque film using solvent-based or solvent-less adhesives

Nominal Reel Diameters

Film	Length (metres)				
HID 35	1,075	2,150	6,450	12,900	19,350

Film	Length (feet)				
HID 140	3,527	7,054	21,161	42,323	63,484

Outside Diameter	1/2x	1x	3x	6x	9x
For 3in / 77mm core	9.5" (in) 241mm	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™ HID 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™ HID – 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

