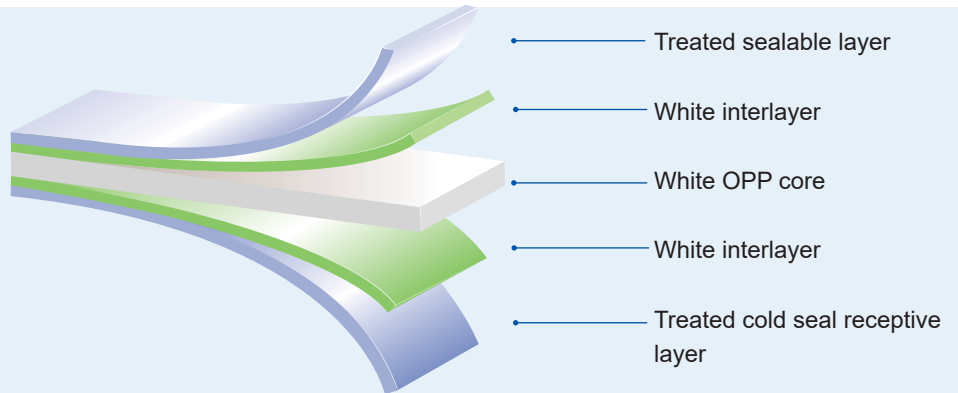


Propafilm™ WNH

Technical Data Sheet

WNH - white, two side treated, coextruded OPP film

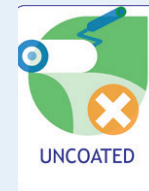


Features

- Solid film reduces shop-worn appearance
- Ultra high z-axis strength in cold seal applications
- Higher whiteness enables more efficient use of print decks and lower retained solvents
- Higher puncture, flex crack and abrasion resistance vs cavitated opaque films
- Treated cold seal layer provides good cold seal adhesion and is suitable for backside printing
- High moisture and odor barrier

Application

- Horizontal packaging with reverse cold seal coating in single web form
- Confectionery



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	WNH	
Thickness	ASTM D 4321		micron	30	40
			gauge	120	160
Yield	ASTM D 4321		in ² /lb	24,400	18,300
			m ² /kg	34.7	26
Basis Weight	ASTM D 4321		g/m ³	28.8	38.4
			lbs/ream	17.7	23.6
Nominal density	Innovia test method		g/cm ³	0.96	0.96
Gloss	Innovia test method		[20°C]	50	50
Whiteness	Innovia test method		% (Berger)	89	92
Surface tension	ASTM D 2578	Print	mN/m (dyne)	36-39	36-39
Tensile strength	Innovia test method		kpsi	MD	18.12
				TD	39.25
Elongation at break	Innovia test method		%	MD	180
				TD	45
MVTR	Innovia test method	38°C (100°F)/90% RH	g/m ² /day	4.6	3.3
			g/100in ² /day	0.3	0.21

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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Propafilm™ WNH

Technical Data Sheet

Conversion

Treatment and Winding	Surface Printing
Two surfaces treated for printing and / or cold seal application	Ink recommendations for all print processes are available
See roll tag about treatment specific to roll	Printing and anti-static properties guaranteed for 6 months only
	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. Good sealing strength and anchorage with most cold seal adhesives. The results may vary depending on type and application so consult your coating supplier.

Usually laminated to Innovia's transparent films via solvent-based or solvent-less adhesives

Nominal Reel Diameters

Film	Length (metres)				
WNH 30	1,250	2,500	7,500	15,000	22,500
WNH 40	938	1,875	5,625	11,250	16,875

Film	Length (feet)				
WNH 120	4,101	8,202	24,606	49,213	73,819
WNH 160	3,076	6,152	18,455	36,909	55,364

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) 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™ WNH 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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