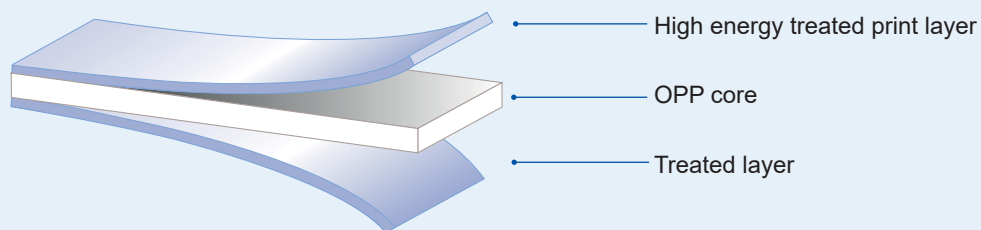


# Propafilm™ MNH

## Technical Data Sheet

**MNH** - Two side treated coextruded OPP film, designed for metallisation and 3-ply laminations

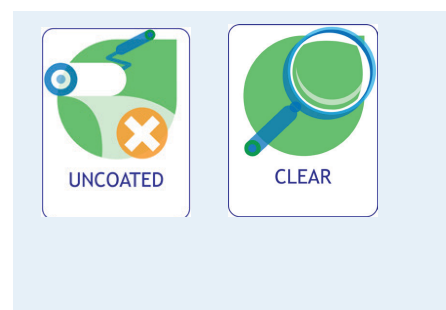


### Features

- Strong adhesive lamination bond strengths
- Excellent metal adhesion
- Good cold seal and hot melt adhesion
- High impact point-of-sale

### Application

- Base film for metallisation
- Lamination to paper board
- 3-ply laminations
- Confectionery



### Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	MNH	
Thickness	ASTM D 4321		micron	15	
			gauge	60	
Yield	ASTM D 4321		in <sup>2</sup> /lb	51,600	
			m <sup>2</sup> /kg	73.3	
Basis Weight	ASTM D 4321		g/m <sup>2</sup>	13.7	
			lbs/ream	8.4	
Tensile strength	Innovia test method		kpsi	MD	20.3
				TD	43.5
Elongation at break	Innovia test method		%	MD	190
				TD	60
MVTR	Innovia test method	38°C (100°F)/90% RH	g/m <sup>2</sup> /day	8.0	
			g/100in <sup>2</sup> /day	0.52	

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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### Conversion

Treatment and Winding	Surface Printing
Two surfaces treated for printing and/or laminating	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 seal strength and anchorage with certain cold seal adhesives. Results may vary so consult your coating supplier.

Lamination – usually laminated to an Innovia 's films using solvent-based or solvent-less adhesives

### Nominal Reel Diameters

Film	Length (metres)		
MNH 15	2,150	6,450	12,900

Film	Length (feet)		
MNH 60	7,054	21,161	42,323

Outside Diameter	1x	3x	6x
For 3in / 77mm core	13" (in) 330mm	-	-
For 6in / 153mm core	-	22.7" (in) 576mm	31.3" (in) 796mm

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™ MNH 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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