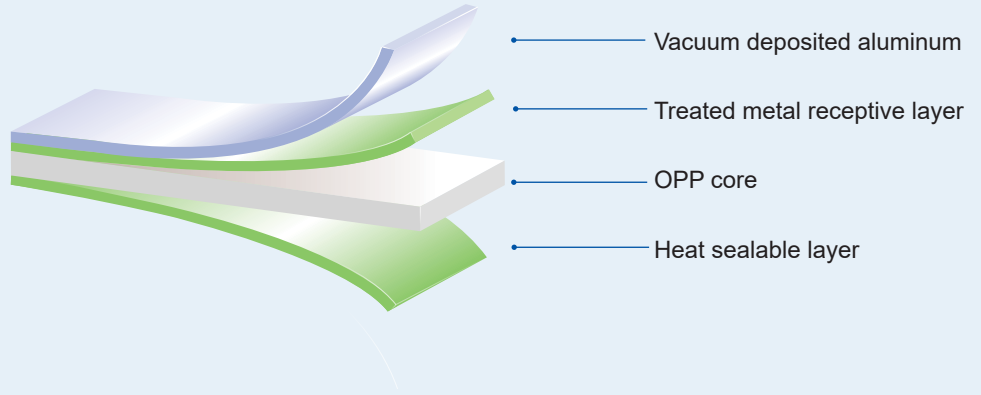


Propafilm™ MPM

Technical Data Sheet

MPM - metallised, one side heat sealable, coextruded OPP film, designed for extrusion or adhesive lamination.



Features

- Outstanding moisture barrier
- Excellent light barrier
- High impact point-of-sale presentation

Application

- Vertical packaging in laminated form
- Horizontal packaging in laminated or single web form



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	MPM
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
Tensile strength	Innovia test method		N/mm ² MD	150
			N/mm ² TD	270
			lbs/in ² MD	21,700
			lbs/in ² TD	42,600
Elongation at break	Innovia test method		% MD	160
			TD	60
Coefficient of Friction	Innovia test method			0.25
MVTR	Innovia test method	38°C (100°F)/90% RH	g/m ² /day	<0.30
			g/100in ² /day	<0.019
OTR	Innovia test method	23°C (73°F)/0% RH	cc/m ² /day	<45
			cc/100in ² /day	<2.9
Heat seal strength	Innovia test method	Back 130°C/14psi/0.5secs 284°F/14.5psi/0.5secs	N/15mm	2.5
			g/in	430
Heat seal range	Innovia test method	Back	°C (min/max)	98-150
			°F (min/max)	208-300

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™ MPM

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Conversion

Treatment and Winding	Surface Printing
Metal surface wound to outside of roll	Ink recommendations for all print processes are available
See roll tag about surface specific to roll	Bump treatment of the metallised surface and application of a primer is recommended to optimise adhesion of surface inks or coatings. A protective top coat is suggested for applications with less than 100% ink coverage
	Polypropylene film characteristics are maintained for 6 months from the date of production except for metallised layer surface tension
	Excellent web flatness permits higher speed printing
	Run appropriate trials prior to production

Conversion Note -

Generally PVB or NC-based inks with adequate adhesion promoter are suitable for printing on this film. Drying temperatures should not exceed 170°F (76°C). Where static electricity may be generated, use of static eliminators and maintaining a relative humidity >50% is recommended. Lowest possible web tension should be applied during conversion of this film.

Nominal Reel Diameters

Film	Length (metres)		
MPM 17	4,300	12,900	25,800
Film	Length (feet)		
MPM 70	14,108	42,323	84,646
Outside Diameter	1x	3x	6x
For 3in / 77mm core	13.0" (in) 330mm	-	-
For 6in / 153mm core	-	22.7" (in) 577mm	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™ MPM 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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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

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