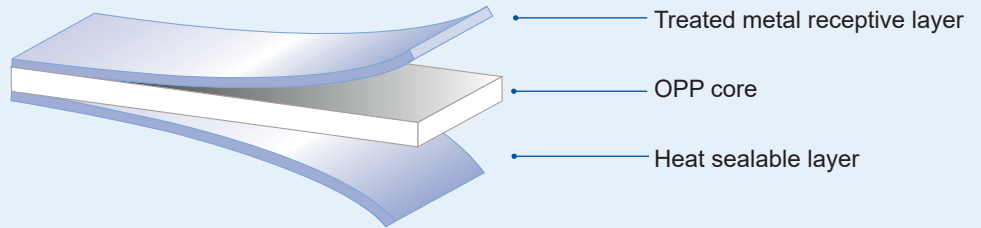


Propafilm™ MPD

Technical Data Sheet

MPD - Transparent base film for metallising, printing and extrusion lamination

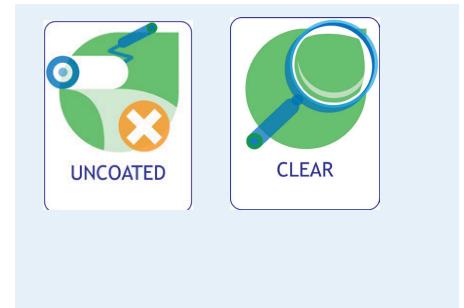


Features

- Broad seal range
- High yield for better economics
- Good moisture barrier
- High CoF can be employed in certain applications e.g. outer web to enable stacking of bags

Application

- Vertical packaging in laminated form
- Horizontal packaging in laminated form
- Snacks, baked goods, confectionery and pet food bags



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	MPD
Thickness	ASTM D 4321		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	6.8
Tensile strength	Innovia test method		kpsi	MD TD 23.2 46.4
Elongation at break	Innovia test method		%	MD TD 160 60
Coefficient of Friction	Innovia test method	Not treated/Not treated		0.25
MVTR	Innovia test method	38°C (100°F)/90% RH	g/m ² /day	6.8
			g/100in ² /day	0.44
Heat seal strength	Innovia test method	266°F/14.5psi/0.5sec 130°C/10N/0.5sec	g/in	311
			N/15mm	1.8
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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use our imagination...

Propafilm™ MPD

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 for surface characteristics	Polypropylene film characteristics are maintained for 6 months from the date of production except for metallized 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.

Usually laminated to Innovia's lamination films using solvent-based, solvent-less adhesives or extrusion.

Excellent sealing strength and anchorage with certain cold seal adhesives. Consult your coating supplier.

Nominal Reel Diameters

Film	Length (metres)				
MPD 17	2,150	4,300	12,900	25,800	38,700

Film	Length (feet)				
MPD 70	7,054	14,108	42,323	84,646	126,969

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) 577mm	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™ MPD 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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