

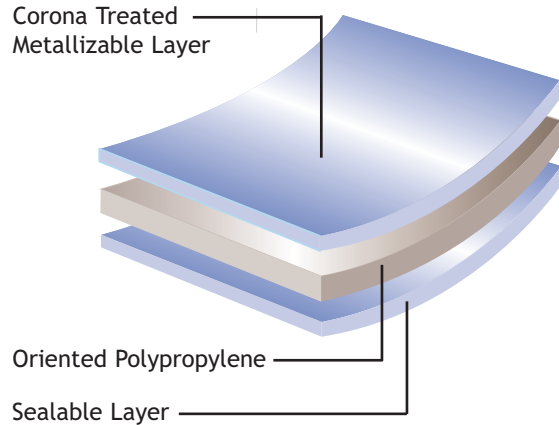
Propafilm™ MVU

Data

Enhanced Surface Metallizable Film

Biaxially oriented polypropylene (BOPP) film co-extruded on both sides with heat sealable polyolefinic polymers.

- Enhanced metal reception surface for high barrier metallized films
- Excellent metal adhesion
- Compatible in laminates with Propafilm RGP
- Heat sealable on both sides for stripe metallizing
- Receptive to cold seal coatings
- Gives very high moisture and gas barrier properties on metallizing



Applications

MVU60 is suitable for vacuum metallizing with aluminium and other substances. The metallized surface may be over-printed or lacquered. MVU is normally metallized for use in laminates with other substrates, particularly Propafilm RGP.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	MVU
Thickness	Innovia Films test		gauge	60
Yield	Innovia Films test		in ² /lb g/m ²	51650 13.6
Permeability to: Water vapor	ASTM F 1770	100°F 90% RH	g/100in ² .24 hrs	0.65
Oxygen	ASTM F 1927	73°F 0% RH	cc/100in ² .24 hrs	206
Optical: Gloss	ASTM D 2457	45°	units	105
Haze (wide angle)	ASTM D 1003	2.5°	%	2.0
Coefficient of friction (film to film)	ASTM D 1894	Static / Dynamic		0.50
Corona treatment	Innovia Films test		dynes/cm	38
Tensile strength	ASTM D 882	Strain rate 50% / min.	lb/in ² MD TD	34700 27500
Elongation at break	ASTM D 882	Strain rate 50% / min.	% MD TD	90 130
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min.	lb/in ² MD TD	390600 332800
Sealing range	Innovia Films test	2 secs; 15 psi	°F	240-295 untreated to untreated
Seal strength	Innovia Films test	265°F; 2 secs; 15 psi	g/(f)/in	>350 untreated to untreated
Shrinkage	Innovia Films test	60 secs at 265°F	% MD TD	6.0 -1.0

All properties are tested under standard laboratory conditions: 73± 4°F; 50± 5% RH, unless otherwise stated.

Where relevant, tests are based on international testing standards.

MD Machine Direction TD Transverse Direction

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Roll Specifications

Nominal Roll Diameters

Film	Length/ (feet)					
	MVU60	-	16400	32800	49200	65600
Outside Diameter for 3in Core	9½in	13in	18in	ns	ns	ns
Outside Diameter for 6in Core	ns	ns	18¾in	22½in	25½in	31in



ns = non-standard

Other roll lengths are available subject to negotiation.

Corona Discharge Treatment

Corona discharge treatment is available on either the inner or outer surface of Propafilm MVU.

The treated surface is indicated by a symbol on a label attached to each roll.

Treated Surface	Ordering Code	Label Symbol
Inside	I	 Treated >>
Outside	O	 Treated <<

Film Storage

No special conditions are required for the storage of Propafilm MVU but it is recommended that dry conditions at temperatures below 85° F are employed to minimize any deterioration of surface discharge treatment level. Propafilm MVU is suitable for use for 6 months from the date of delivery and stocks should be used in rotation. Films should be allowed to reach operating room temperatures for 24 hours before use.

Food Contact

Propafilm MVU complies with the applicable US legislation for most applications involving direct contact with foods. Full details are given on the food contact certificate. Customers intending to use Propafilm MVU in a food contact application should request a copy of this document from Innovia Films. Details of compliance with food contact legislation in other countries are also available upon request.

Health & Safety Guidelines

For Health and Safety information, please refer to literature reference B190.



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