

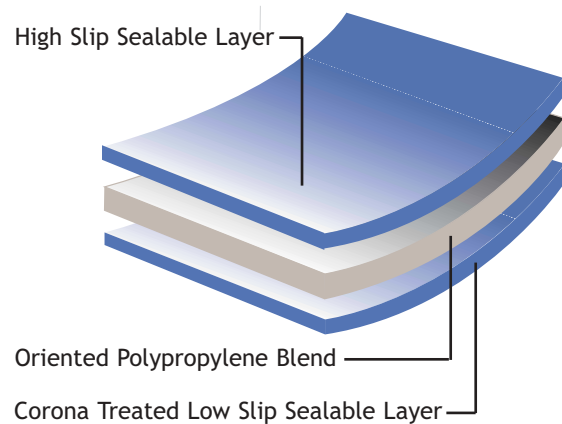
Propafilm™ MTP

Data

Printable High Speed Overwrapping Film

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

- Easily printable one side
- Superior sparkling appearance
- High speed packing ability
- Excellent moisture and flavour barrier
- Differential slip properties



Applications

MTP21 is generally used for high speed overwrapping of packets and cartons where there is a requirement for the film to carry print. Particularly suitable for use in the tobacco, magnetic and optical media, confectionery and tea industries.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	MTP
Thickness	Innovia Films test		micron	21
Yield	Innovia Films test		m ² /kg g/m ²	52.3 19.1
Permeability to: Water vapour	ASTM F 1770	23 °C 85% RH	g/m ² .24 hrs	1.1
		38 °C 90% RH		5.8
Oxygen	ASTM F 1927	23 °C 0% RH	cc/m ² .24 hrs	1600
Optical: Gloss	ASTM D 2457	20°	units	140
Haze (wide angle)	ASTM D 1003	2.5°	%	1.4
Coefficient of friction (out to out)	ASTM D 1894	Static Dynamic		0.40
				0.30
Corona treatment	Innovia Films test		dynes/cm	38
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ² MD	190
			TD	190
Elongation at break	ASTM D 882	Strain rate 50% / min	% MD	110
			TD	100
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ² MD	2900
			TD	2900
Sealing range	Innovia Films test	2 secs; 0.10 MN/m ²	°C	115-145
Seal strength	Innovia Films test	120 °C; 2 secs; 0.10 MN/m ²	g(f)/25mm	400
Shrinkage	Innovia Films test	60 secs at 120 °C	% MD	5.0
			TD	4.0
			MD	7.0
			TD	7.0

All properties are tested under standard laboratory conditions: 23± 2°C; 50± 5% RH, unless otherwise stated. Where relevant, tests are based on international testing standards.

MD Machine Direction TD Transverse Direction

Reel Specifications

Nominal Reel Diameters

Film	Length/(metres)			
	MTP21	7200	10800	14400
Outside Diameter for 77mm Core	450mm	ns	ns	ns
Outside Diameter for 153mm Core	475mm	570mm	650mm	785mm



ns = non-standard

Other reel lengths are available subject to negotiation.

Corona Discharge Treatment

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

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

Treated Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

Film Storage

No special conditions are required for the storage of Propafilm MTP but it is recommended that dry conditions at temperatures below 30°C are employed to minimise any deterioration of surface discharge treatment level.

Propafilm MTP 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 MTP complies with the compositional requirements of FDA 21CFR 177.1520. This film does not comply with current EU food contact regulations and so should not be used for direct food contact in the EU Member States. For specific enquiries, please refer to literature reference B110 or contact our Technical Services Department.

Health & Safety Guidelines

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



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