

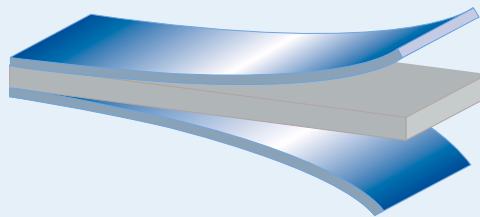
Propafilm™ MTP (Tobacco)

Technical Datasheet



MTP - Printable High Speed Overwrapping Film.

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



- High Slip Sealable Layer
- Oriented Polypropylene Blend
- Corona Treated Low Slip Sealable Layer

Features

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

Applications

MTP is generally used for high speed overwrapping of packets and cartons where there is a requirement for the film to carry print.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	MTP
Thickness	Innovia Films test		micron	20
			gauge	80
Yield	Innovia Films test		m ² /kg	54.9
			in ² /lb	38600
			g/m ²	18.2
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	5.8
			g/100in ² . 24 hrs	0.37
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m ² .24 hrs	1600
			cc/100in ² . 24 hrs	103
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
			lb/in ² MD	27600
			TD	27600
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
			lb/in ² MD	420600
			TD	420600
Sealing range	Innovia Films test	2 secs; 0.10MN/m ² 2 secs; 15 psi	°C	115-145
			°F	240-295
Seal strength	Innovia Films test	120°C; 2 secs; 0.10MN/m ² 248°F; 2 secs; 15 psi	g(f)/25mm/ in	400
Shrinkage	Innovia Films test	60 secs at 120°C (248°F) 60 secs at 130°C (266°F)	% MD	5.0
			TD	4.0
			MD	7.0
			TD	7.0

MD Machine Direction TD Transverse Direction
All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH, (73 ± 4F, 50 ± 5% RH), unless otherwise stated. Where relevant, tests are based on international testing standards.
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Reel Specifications

Nominal Reel Diameters

Film	12x Length (metres)
MTP20	22800



Film	12x Length (feet)
MTP80	74803

Other reel lengths are available in multiples of the single length as per the core diameter listed below.

Outside Diameter	2x	4x	6x	8x	12x
For 77mm / 3in core	-	450mm 18 $\frac{1}{4}$ in	-	-	-
For 153mm / 6in core	-	475mm 19in	570mm 22 $\frac{3}{4}$ in	650mm 26in	785mm 32in

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 and Handling

No special conditions are required for the storage of Propafilm™ MTP but it is recommended that dry conditions at temperatures below 30°C (85°F) 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 applicable EU and US legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use Propafilm™ MTP in a food contact application should request a copy of this document from Innovia Films. Details of compliance with food contact legislation in non-EU countries are also available upon request.

Health & Safety Guidelines

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

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