

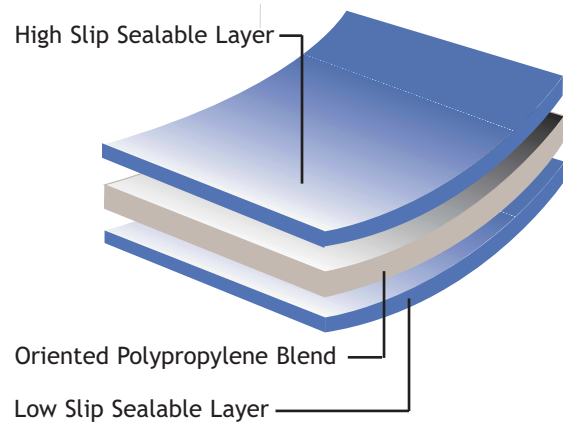
Propafilm™ MTT

Data

High Speed Overwrapping Film

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

- High speed packing ability
- Excellent moisture and flavour barrier
- Differential slip properties
- Enhanced sparkling appearance
- Printable version available (MTP)



Applications

MTT21 is generally used for high speed overwrapping of packets and cartons. Particularly suitable for use in the tobacco industry.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	MTT
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 38 °C 90% RH	g/m ² .24 hrs	1.1 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
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ² MD TD	190 190
Elongation at break	ASTM D 882	Strain rate 50% / min	% MD TD	110 100
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ² MD TD	2900 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 60 secs at 130 °C	% MD TD MD TD	5.0 4.0 7.0 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)	
	MTT21	2800
Outside Diameter for 77mm Core	295mm	330mm

Other reel lengths are available subject to negotiation.

Film Winding

Propafilm MTT has differential slip properties for maximum wrap tightness. When overwrapping, it is advised to use the low slip surface on the inside of the packs. For conversion, it is recommended to treat the low slip surface which is identified by a symbol on the reel label.

Low slip/treatable Surface	Ordering Code	Label Symbol
Inside	I	 Low slip/treatable >>
Outside	O	 Low slip/treatable <<

Film Storage

No special conditions are required for the storage of Propafilm MTT but it is recommended that dry conditions at temperatures below 30°C are employed. Propafilm MTT 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 MTT 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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