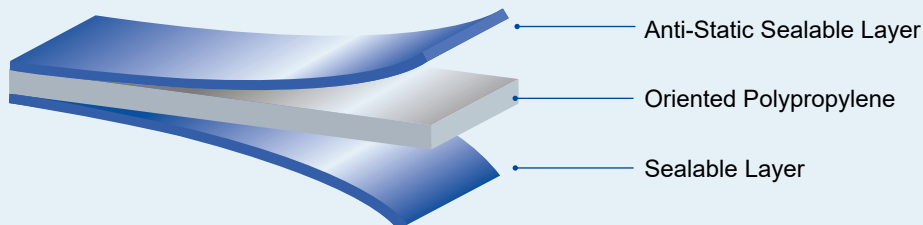


Propafilm™ MTX

Technical Data Sheet

MTX - Anti-Static Overwrapping Film

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



Features

- Superior anti-static protection
- Good puncture and impact resistance
- Excellent sealing properties
- Sparkling appearance
- Good moisture barrier

Applications

MTX22 is suitable for high speed overwrapping of packets/cartons. The high level of anti-static protection enhances machine performance and minimises dust attraction.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	MTX
Thickness	Innovia Films test		micron	22
Yield	Innovia Films test		m ² /kg g/m ²	50 20
Permeability to: Water vapour	ASTM F 1249	23°C 85% RH 38°C 90% RH	g/m ² .24 hrs	1.3 7.3
Oxygen	ASTM F 1927	23°C 0% RH	cc/m ² .24 hrs	2500
Optical: Gloss	ASTM D 2457	20°	units	110
Haze (wide angle)	ASTM D 1003	2.5°	%	2.2
Coefficient of friction (out to out)	ASTM D 1894	Static Dynamic		0.35 0.25
Surface conductivity	Innovia Films test	25°C 50% RH	mho	7 x 10 ⁻¹¹
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ² MD TD	200 185
Elongation at break	ASTM D 882	Strain rate 50% / min	% MD TD	85 85
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ² MD TD	2400 2400
Sealing range	Innovia Films test	2 secs; 0.10 MN/m ²	°C	95-145
Seal strength	Innovia Films test	109°C; 1 sec; 0.10 MN/m ²	g(f)/25mm	400
Shrinkage	Innovia Films test	60 secs at 120°C	% MD TD	4.0 3.5

MD Machine Direction TD Transverse Direction

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.

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Reel Specifications

Nominal Reel Diameters

Film	Single Length (metres)	12x Length (metres)
MTX22	1750	21000

Other reel lengths are available subject to negotiation.

Outside Diameter	1x	2x	4x	6x	8x	12x
For 77mm / 3in core	240mm 9½in	330mm 13in	450mm 18in	-	-	-
For 153mm / 6in core	-	-	475mm 18¾in	570mm 22½in	650mm 25½in	785mm 31in

Film Storage and Handling

No special conditions are required for the storage of Propafilm™ MTX but it is recommended that dry conditions at temperatures below 30°C are employed. Propafilm™ MTX 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™ MTX is **not** suitable for applications which involve direct contact with foodstuffs. For specific enquiries, please contact our Technical Services Department.

Health & Safety Guidelines

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

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