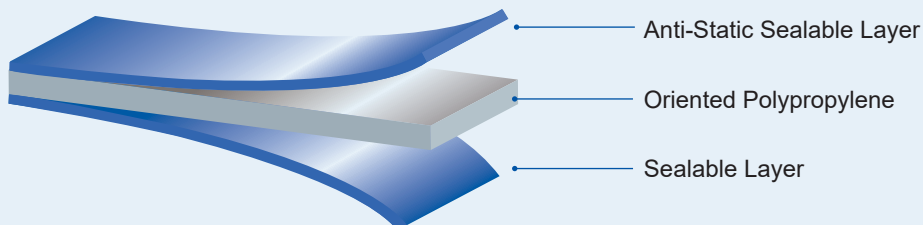


Propafilm™ MTX

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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Technical Data Sheet

Reel Specifications

Nominal Reel Diameters

Film	Length/(metres)	
MTX22	2500	3500
Outside Diameter for 77mm core	295mm	330mm

Other reel lengths are available subject to negotiation.

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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