

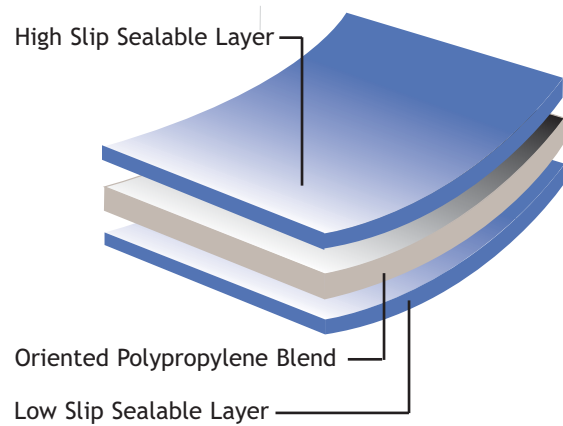
Propafilm™ OS

Data

High Speed Overwrapping Film with Shrink Tightening Properties

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

- Superior sparkling appearance
- Superior controlled, balanced shrinkage
- Excellent moisture and flavour barrier
- Differential slip properties for tight wraps
- Strong seals for tamper evidence
- Overcomes film relaxation problems
- Resistant to solvent attack



Applications

OS20/25 are suitable for high speed overwrapping applications where exceptional pack appearance and wrap tightness are required. Particularly suitable for the magnetic and optical media, confectionery and tea industry.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	OS	
Thickness	Innovia Films test		micron	20	25
Yield	Innovia Films test		m ² /kg g/m ²	54.9 18.2	44.0 22.7
Permeability to: Water vapour	ASTM F 1770	23 °C 85% RH 38 °C 90% RH	g/m ² .24 hrs	1.0 6.0	0.8 4.1
Oxygen	ASTM F 1927	23 °C 0% RH	cc/m ² .24 hrs	1500	1400
Optical: Gloss	ASTM D 2457	20°	units	140	
Haze (wide angle)	ASTM D 1003	2.5°	%	1.0	
Coefficient of friction (out to out)	ASTM D 1894	Static Dynamic		0.40 0.25	
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ² MD TD	170 210	
Elongation at break	ASTM D 882	Strain rate 50% / min	% MD TD	120 80	
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ² MD TD	3000 3600	
Sealing range	Innovia Films test	2 secs; 0.10 MN/m ²	°C	115-140	
Seal strength	Innovia Films test	107 °C; 1 sec; 0.10 MN/m ²	g(f)/25mm	500	
Shrinkage	Innovia Films test	60 secs at 80 °C 60 secs at 120 °C	% MD TD MD TD	3.7 3.5 7.0 11.0	

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

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Reel Specifications



Nominal Reel Diameters

Film	Length/ (metres)	
OS20	2800	3800
OS25	2200	3000
Outside Diameter for 77mm Core	290mm	330mm

Other reel lengths are available subject to negotiation.

Film Winding

Propafilm OS 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 <<

*For printing application consult an Innovia Films Technical Representative

Film Storage

No special conditions are required for the storage of Propafilm OS but it is recommended that dry conditions at temperatures below 30°C are employed. Propafilm OS 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 OS complies with the compositional requirements of FDA 21CFR 177.1520. The film complies with the compositional requirements of EU food contact legislation. 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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