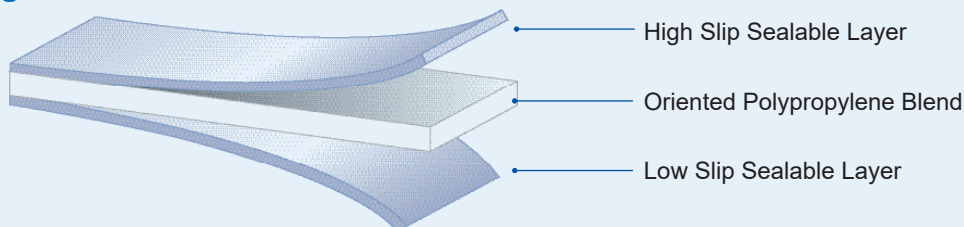


Propafilm™ OVS

Technical Data Sheet

OVS - High Speed Overwrapping Film with Shrink Tightening Properties.

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



Features

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

Applications

OVS20 is suitable for high speed overwrapping and horizontal form-fill applications where pack appearance and wrap tightness are important.

Particularly suitable for the tea or confectionery industry, where a medium shrink tightening performance can be required for flimsier packs.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	OVS
Thickness	Innovia Films test		micron	20
Yield	Innovia Films test		m ² /kg g/m ²	54.9 18.2
Permeability to: Water vapour	ASTM F 1249	23°C 85% RH 38°C 90% RH	g/m ² .24 hrs	1.1 6.5
Oxygen	ASTM F 1927	23°C 85% RH	cc/m ² .24 hrs	1700
Optical: Gloss	ASTM D 2457	45°	units	130
Haze (wide angle)	ASTM D 1003	2.5°	%	1.3
Coefficient of friction (film to film)	ASTM D 1894	Static/ Dynamic		0.40 0.30
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ² MD TD	180 210
Elongation at break	ASTM D 882	Strain rate 50% / min	% MD TD	110 90
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ² MD TD	2800 3300
Sealing range	Innovia Films test	2 secs; 0.10 MN/m ²	°C	110-140
Seal strength	Innovia Films test	130°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	3.0 2.0 7.0 10.0

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)
OVS20	2800	3800

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

Outside Diameter	1x	2x	4x	6x	8x	12x
For 77mm / 3in core	290mm 11¼in	330mm 13in	-	-	-	-

Film Winding

Propafilm™ OVS 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.

Treated Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

*For printing application consult an Innovia Films Technical Representative.

Film Storage and Handling

No special conditions are required for the storage of Propafilm™ OVS but it is recommended that dry conditions at temperatures below 30°C are employed. Propafilm™ OVS 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™ OVS complies with the applicable EU legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use Propafilm™ OVS 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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