

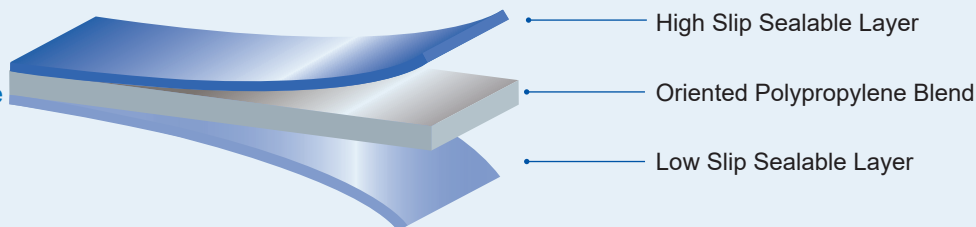
Propafilm™ OFR

Technical Data Sheet

OFR

Cosmetic Overwrap Film Designed for Recycling.

Transparent BOPP film designed for the overwrapping of perfume and cosmetic boxes.



Features

- Uncoated, recycle ready film
- Chlorine free (no PvdC)
- Non-whitening, alcohol resistant surface
- High scratch and scuff resistance
- Very high gloss
- Excellent clarity
- Wide sealing range

Applications

- Box Overwrap

Markets

- Cosmetics
- Perfume and Fragrance
- Health and Beauty

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	OFR
Thickness	Innovia Films test		micron	35
			gauge	140
Yield	Innovia Films test		m ² /kg	31.4
			in ² /lb	22100
			g/m ²	31.8
Optical: Gloss	ASTM D 2457	45°	units	94
Haze (wide angle)	ASTM D 1003	2.5°	%	1.4
Coefficient of friction (film to film)	ASTM D 1894	Dynamic		0.25
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ²	180
			MD	180
			lb/in ²	26100
			TD	26100
Elongation at break	ASTM D 882	Strain rate 50% / min	%	100
			MD	110
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ²	2800
			MD	2700
			lb/in ²	405850
			TD	391300
Sealing range	Innovia Films test	2 secs; 0.10MN/m ² 2 secs; 15 psi	°C	90-140
			°F	195-285
Seal strength	Innovia Films test	130°C; 2 secs; 0.10MN/m ² 265°F; 2 secs; 15 psi/in ²	g(f)/25mm/in	500
Shrinkage	Innovia Films test	60 secs at 130°C (265°F)	%	5.0
			MD	3.0
			TD	

MD Machine Direction TD Transverse Direction

All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH, (73 ± 4F, 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)
OFR/35	1100	13200



Film	Single Length (feet)	12x Length (feet)
OFR/140	3600	43300

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	240mm 9½in	330mm 13in	450mm 18in	-	-	-
For 153mm / 6in core	-	-	475mm 18¾in	570mm 22½in	650mm 25½in	785mm 31in

Film Winding

OFR has differential slip properties for maximum wrap tightness. The low slip surface is available on either the inner or outer surface of OFR reels. For overwrapping, it is advised to use the low slip surface on the inside, next to the pack. The low slip surface is indicated by a symbol on a label attached to each reel.

Low Slip	Ordering Code	Label Symbol
Inside	I	
Outside	O	

Film Storage and Handling

No special conditions are required for the storage of Propafilm™ OFR but it is recommended that dry conditions at temperatures below 30°C (85°F) are employed to minimise any deterioration of surface discharge treatment level. Propafilm™ OFR 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

For food contact information, please contact your Innovia Films Representative.

Health & Safety Guidelines

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

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