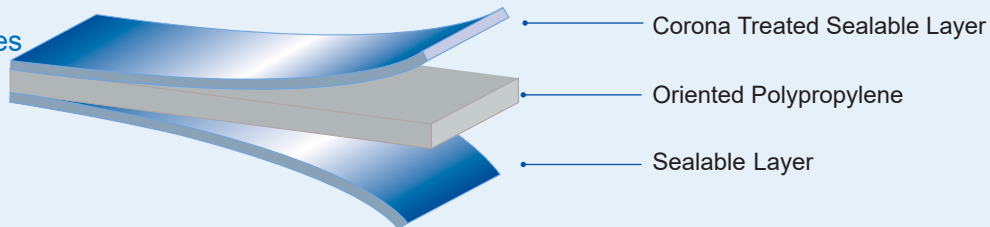


Propafilm™ RH

Technical Data Sheet

RH - Heavy Duty Film

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



Features

- Heat-sealable on both sides
- Very high seal strength
- Excellent water vapour barrier
- Corona discharge treated on one side, for the adhesion of printing inks and adhesives
- Superior optical properties
- Exceptional puncture and impact-resistance, even at low temperatures
- Unaffected by variations in climatic conditions

Applications

RH50 is ideally suited for use as a single ply film as an alternative to laminate structures in form-fill-seal packaging applications. Also suitable for use in tear-tape and cable wrap applications.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RH
Thickness	Innovia Films test		micron	50
Yield	Innovia Films test		m ² /kg g/m ²	22.0 45.5
Permeability to: Water vapour	ASTM F 1249	23°C 85% RH 38°C 90% RH	g/m ² .24 hrs	0.6 3.3
Oxygen	ASTM F 1927	23°C 0% RH	cc/m ² .24 hrs	1000
Optical: Gloss	ASTM D 2457	45°	units	85
Haze (wide angle)	ASTM D 1003	2.5°	%	1.5-2.5
Coefficient of friction (film to film)	ASTM D 1894	Static/ Dynamic		0.25-0.40
Corona Treatment	Innovia Films Test		dynes/cm	38
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ²	MD TD 210 170
Elongation at break	ASTM D 882	Strain rate 50% / min	%	MD TD 90 110
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ²	MD TD 2500 2300
Sealing Range	Innovia Films test	2 secs; 0.10MN/m ²	°C	115-145 untreated to untreated
Seal strength	Innovia Films test	130°C; 2 secs; 0.10MN/m ²	g(f)/25mm	>500 untreated to untreated
Shrinkage	Innovia Films test	60 secs at 130°C	%	MD TD 6.0 -1.0

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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Propafilm™ RH

Technical Data Sheet

Reel Specifications

Nominal Reel Diameters



Film	Single Length (metres)	12x Length (metres)
RH50	750	9000

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

Corona Discharge Treatment

Corona discharge treatment is available on either the inner or outer surface of Propafilm™ RH. The treated surface is indicated by a symbol on a label attached to each reel

Treated Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

Film Storage and Handling

No special conditions are required for the storage of Propafilm™ RH 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™ RH 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™ RH complies with the applicable EU and US legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use Propafilm™ RH 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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