

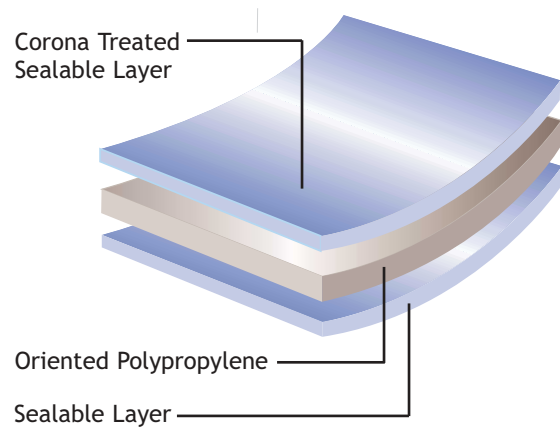
# Propafilm™ RH

Data

## Heavy Duty Film

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

- 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 <sup>2</sup> /kg g/m <sup>2</sup>	22.0 45.5
Permeability to: Water vapour	ASTM F 1770	23 °C 85% RH 38 °C 90% RH	g/m <sup>2</sup> .24 hrs	0.6 3.3
Oxygen	ASTM F 1927	23 °C 0% RH	cc/m <sup>2</sup> .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 <sup>2</sup> 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 <sup>2</sup> MD TD	2500 2300
Sealing range	Innovia Films test	2 secs; 0.10 MN/m <sup>2</sup>	°C	115-145 untreated to untreated
Seal strength	Innovia Films test	130 °C; 2 secs; 0.10 MN/m <sup>2</sup>	g(f)/25mm	>500 untreated to untreated
Shrinkage	Innovia Films test	60 secs at 130 °C	% MD TD	6.0 -1.0

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

## Reel Specifications

### Nominal Reel Diameters



Film	Length/(metres)					
	750	1500	3000	4500	6000	9000
RH50	750	1500	3000	4500	6000	9000
Outside Diameter for 77mm Core	240mm	330mm	450mm	ns	ns	ns
Outside Diameter for 153mm Core	ns	ns	475mm	570mm	650mm	785mm

ns = non-standard

Other reel lengths are available subject to negotiation.

### 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

No special conditions are required for the storage of Propafilm RH but it is recommended that dry conditions at temperatures below 30°C 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 is suitable for most applications involving direct contact with foodstuffs. 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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