

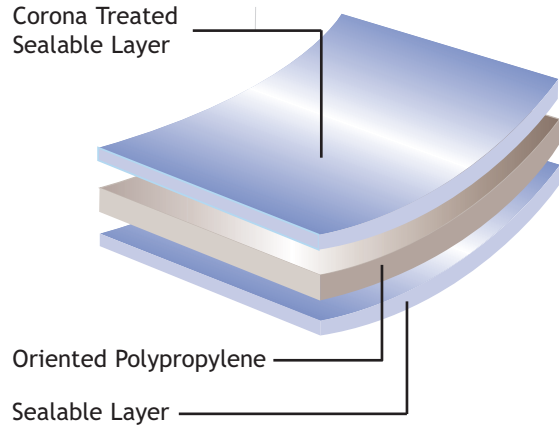
# Propafilm™ RH

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 vapor barrier
- Corona discharge treated on one side, for the adhesion of printing inks and adhesives
- Superior optical properties
- Excellent puncture and impact resistance, even at low temperatures
- Unaffected by variations in climatic conditions



## Applications

RH200 is ideally suited for use as a single web film as an alternative to laminations 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		gauge	200
Yield	Innovia Films test		in <sup>2</sup> /lb g/m <sup>2</sup>	15500 45.5
Permeability to: Water vapor	ASTM F 1770	100° F 90% RH	g/100in <sup>2</sup> .24 hrs	0.21
Oxygen	ASTM F 1927	73° F 0% RH	cc/100in <sup>2</sup> .24 hrs	64
Optical: Gloss	ASTM D 2457	45°	units	95
Haze (wide angle)	ASTM D 1003	2.5°	%	2.0
Coefficient of friction (film to film)	ASTM D 1894	Static Dynamic		0.30
Corona treatment	Innovia Films test		dynes/cm	38
Tensile strength	ASTM D 882	Strain rate 50% / min.	lb/in <sup>2</sup> MD TD	30400 24600
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.	lb/in <sup>2</sup> MD TD	361700 332800
Sealing range	Innovia Films test	2 secs; 15 psi	°F	240-295 untreated to untreated
Seal strength	Innovia Films test	265° F; 2 secs; 15 psi	g/(f)/in	>500 untreated to untreated
Shrinkage	Innovia Films test	60 secs at 265° F	% MD TD	6.0 -1.0

All properties are tested under standard laboratory conditions: 73± 4°F; 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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## Roll Specifications

### Nominal Roll Diameters



Film	Length/ (feet)					
	2450	4900	9850	14800	19700	29550
Outside Diameter for 3in Core	9½in	13in	18in	ns	ns	ns
Outside Diameter for 6in Core	ns	ns	18¾in	22½in	25½in	31in

ns = non-standard

Other roll 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 roll.

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 85°F are employed to minimize 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 US legislation for most applications involving direct contact with foods. Full details are given on the food contact certificate. 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 other countries are also available upon request.

## Health & Safety Guidelines

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



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