

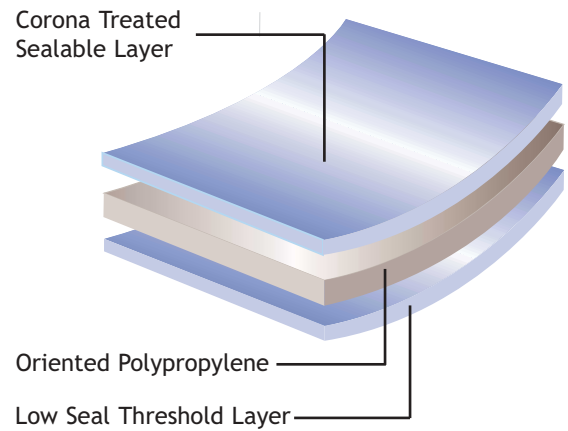
Propafilm™ RF

Data

Low Heat-Seal Threshold Film

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

- Heat sealable on both sides, one side having a low heat seal threshold
- Excellent water vapor barrier
- Anti-static protected
- Treated one side for printing and laminating
- Puncture and impact-resistance maintained at low temperatures
- Unaffected by variations in climatic conditions



Applications

RF100/120 are suitable for use on high-speed overwrapping and form-fill-seal machines. They may be used for direct wrapping or collation, either as a single film or in a lamination.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RF	
Thickness	Innovia Films test		gauge	100	120
Yield	Innovia Films test		in ² /lb g/m ²	31000 22.7	25800 27.3
Permeability to: Water vapor Oxygen	ASTM F 1770	100 °F 90% RH	g/100in ² .24 hrs	0.39	0.32
	ASTM F 1927	73 °F 0% RH	cc/100in ² .24 hrs	116	103
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 ² MD TD	33300 27500	
Elongation at break	ASTM D 882	Strain rate 50% / min.	% MD TD	90 125	
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min.	lb/in ² MD TD	361700 303800	
Sealing range	Innovia Films test	2 secs; 15 psi	°F	195-295 untreated to untreated	
Seal strength	Innovia Films test	265 °F; 2 secs; 15 psi	g/(f)/in	>350 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

Propafilm™ RF Data

Roll Specifications

Nominal Roll Diameters



Film	Length/ (feet)					
	RF100	4900	9850	19700	29550	39400
RF120	4100	8200	16400	24600	32800	49200
Outside Diameter for 3in Core	9 ¹ / ₂ in	13in	18in	ns	ns	ns
Outside Diameter for 6in Core	ns	ns	18 ³ / ₄ in	22 ¹ / ₂ in	25 ¹ / ₂ in	31in

ns = non-standard

Other roll lengths are available subject to negotiation.

Corona Discharge Treatment

Propafilm RF is corona discharge treated on one side only, the reverse side exhibiting a low heat-seal threshold. The treated surface can be wound as either the inner or outer surface of Propafilm RF. 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 RF but it is recommended that dry conditions at temperatures below 85°F are employed to minimize any deterioration of surface discharge treatment level.

Propafilm RGN 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 RF is suitable for most applications involving direct contact with foodstuffs. For specific inquiries, 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.



www.innoviafilms.com
 email: filmsinfo@innoviafilms.com
 ™Trademark of Innovia Films Group

Sales Offices

Americas (USA) Tel +1 877 822 3456
 Europe (UK) Tel +44 (0)16973 42281
 Asia-Pacific (Aus) Tel +61 3 9303 0600

Disclaimer: Innovia Films Inc or any of its affiliated companies (hereinafter 'Innovia Films') declines any liability with respect to the use made by any third party of the information contained herein. The information contained herein represents Innovia Films' best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, the accuracy, the completeness or relevance of the data set out herein). Innovia Films is the sole owner or authorized user of the intellectual property rights relating to the information communicated. The information relating to the use of the products is given for information purposes only. No guarantee or warranty is provided that the product is adapted to the client's specific use. The client should perform his own tests to determine the suitability for a particular purpose. The final choice of use of a product remains the sole responsibility of the client.