

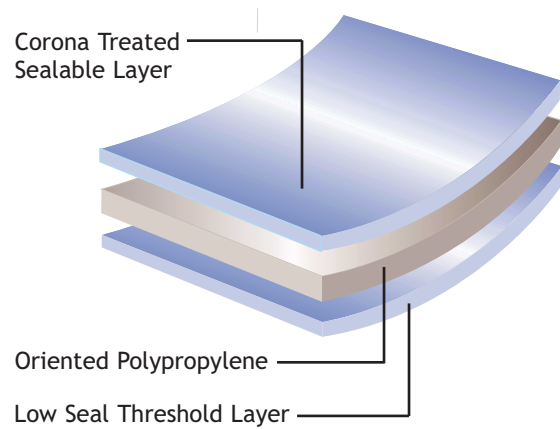
Propafilm™ RF

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 vapour 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

RF25/30 are suitable for use on high-speed overwrapping and form-fill-seal machines. They may be used for direct wrapping or collation, either as single film or in laminate structures.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RF	
				25	30
Thickness	Innovia Films test		micron	25	30
Yield	Innovia Films test		m ² /kg	44.0	36.6
			g/m ²	22.7	27.3
Permeability to: Water vapour	ASTM F 1770	23 °C 85% RH	g/m ² .24 hrs	1.2	1.0
		38 °C 90% RH		6.0	5.0
Oxygen	ASTM F 1927	23 °C 0% RH	cc/m ² .24 hrs	1800	1600
Optical: Gloss	ASTM D 2457	45 °	units	85	
Haze (wide angle)	ASTM D 1003	2.5 °	%	1.0-2.0	
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	230
				TD	190
Elongation at break	ASTM D 882	Strain rate 50% / min.	%	MD	90
				TD	125
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min.	MN/m ²	MD	2500
				TD	2100
Sealing range	Innovia Films test	2 secs; 0.10 MN/m ²	°C	90-145 untreated to untreated	
Seal strength	Innovia Films test	130 °C; 2 secs; 0.10 MN/m ²	g(f)/25mm	>350 untreated to untreated	
Shrinkage	Innovia Films test	60 secs at 130 °C	%	MD	6.0
				TD	-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)					
	RF25 RF30	1500 1250	3000 2500	6000 5000	9000 7500	12000 10000
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

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 reel.

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 30°C are employed to minimise any deterioration of surface discharge treatment level.

Propafilm RF 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 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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