

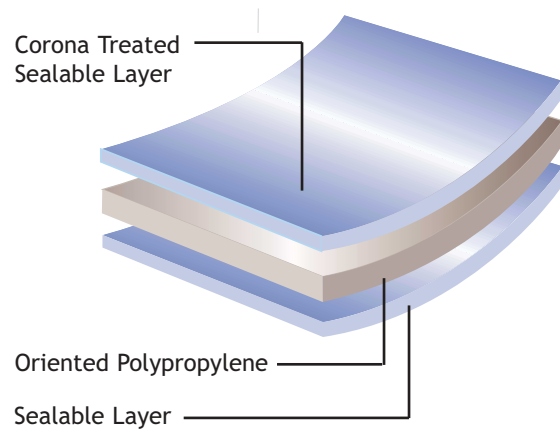
Propafilm™ RGN

Data

High Clarity, High Purity, Low-Slip Film

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

- High purity - no additive migration
- High clarity, low slip
- Heat sealable on both sides
- Excellent water vapour barrier
- Surface receptive to inks, adhesives, cold-seal and other low-temperature sealants



Applications

RGN15/20/30 are suitable for use as a base for cold-seal coating and low-temperature-seal lacquer conversion for collation packaging in the biscuit and confectionery industries.

RGN may also be used as a high purity carrier film in complex laminate structures, for partial lamination in bread wrap, and as a single film in general overwrap or horizontal form-fill-and-seal applications where high clarity, low-slip film is required.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RGN		
				15	20	30
Thickness	Innovia Films test		micron	15	20	30
Yield	Innovia Films test		m ² /kg g/m ²	73.3 13.6	54.9 18.2	36.6 27.3
Permeability to: Water vapour	ASTM F 1770	23 °C 85% RH	g/m ² .24 hrs	2.0 10.0	1.4 7.5	1.0 5.0
		38 °C 90% RH				
Oxygen	ASTM F 1927	23 °C 0% RH	cc/m ² .24 hrs	3200	2300	1600
Optical: Gloss	ASTM D 2457	45 °	units	105		
Haze (wide angle)	ASTM D 1003	2.5 °	%	1.0-2.0		
Coefficient of friction (film to film)	ASTM D 1894	Static / Dynamic		0.4-0.6		
Corona treatment	Innovia Films test		dynes/cm	38		
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ² MD TD	240 190		
Elongation at break				ASTM D 882	Strain rate 50% / min	% MD TD
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ² MD TD			
Sealing range				Innovia Films test	2 secs; 0.10 MN/m ²	°C
Seal strength	Innovia Films test	130 °C; 2 secs; 0.10 MN/m ²	g(f)/25mm			
Shrinkage				Innovia Films test	60 secs at 130 °C	% MD TD

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

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Reel Specifications

Nominal Reel Diameters



Film	Length/(metres)					
		5000	10000	15000	20000	30000
RGN15	-	5000	10000	15000	20000	30000
RGN20	1900	3800	7600	11400	15200	22800
RGN30	1250	2500	5000	7500	10000	15000
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 RGN. 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 RGN but it is recommended that dry conditions at temperatures below 30°C are employed to minimise 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 RGN 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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