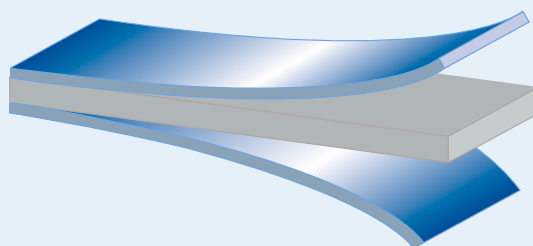


Propafilm™ RGN



Technical Data Sheet

RGN - High Clarity, High Purity, Low-Slip Film
 Biaxially oriented polypropylene (BOPP) film co-extruded on both sides with polyolefinic copolymers.



- Corona Treated Sealable Layer
- Oriented Polypropylene
- Sealable Layer

Features

- 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

RGN20(80)/30(120) 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	
Thickness	Innovia Films test		micron	20	30
			gauge	80	120
Yield	Innovia Films test		m ² /kg	54.9	36.6
			in ² /lb	38700	25800
			g/m ²	18.2	27.3
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	7.5	5.0
			g/100in ² . 24 hrs	0.48	0.32
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m ² .24 hrs	2300	1600
			cc/100in ² . 24 hrs	148	103
Optical: Gloss	ASTM D 2457	20°	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	240
				TD	190
			lb/in ²	MD	34700
				TD	27500
Elongation at break	ASTM D 882	Strain rate 50% / min	%	MD	90
				TD	130
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ²	MD	2700
				TD	2300
			lb/in ²	MD	390600
				TD	332800
Sealing range	Innovia Films test	2 secs; 0.10MN/m ² 2 secs; 15 psi	°C	115-145	
			°F	240-295	
				untreated to untreated	
Seal strength	Innovia Films test	109°C; 2 secs; 0.10MN/m ² 225°F; 2 secs; 15 psi	g(f)/25mm/in	>350	
					untreated to untreated
Shrinkage	Innovia Films test	60 secs at 130°C (265°F)	%	MD	6.0
				TD	-1.0

MD Machine Direction TD Transverse Direction

All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH, (73 ± 4F, 50 ± 5% RH), unless otherwise stated. Where relevant, tests are based on international testing standards.

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Technical Data Sheet

Reel Specifications

Nominal Reel Diameters

Film	Single Length (metres)	12x Length (metres)
RGN20	1900	22800
RGN30	1250	15000

Film	Single Length (feet)	12x Length (feet)
RGN80	6250	74800
RGN120	4100	49200



Outside Diameter	1x	2x	4x	6x	8x	12x
For 77mm / 3in core	240mm 9½in	330mm 13in	450mm 18in	-	-	-
For 153mm / 6in core	-	-	475mm 18¾in	570mm 22½in	650mm 25½in	785mm 31in

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 and Handling

No special conditions are required for the storage of Propafilm™ RGN but it is recommended that dry conditions at temperatures below 30°C (85°F) are employed. 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 complies with the applicable EU and US legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use Propafilm™ RGN in a food contact application should request a copy of this document from Innovia Films. Details of compliance with food contact legislation in non-EU countries are also available upon request.

Health & Safety Guidelines

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

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