

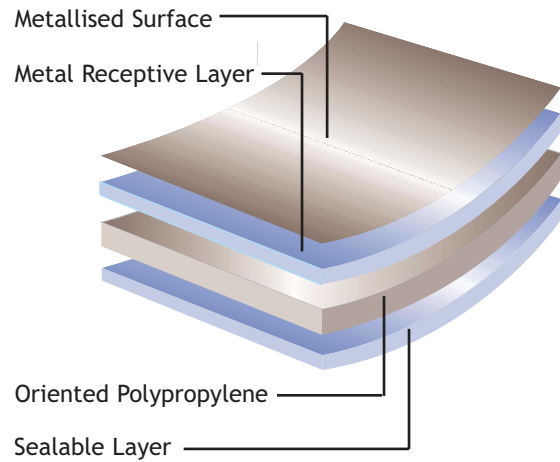
Propafoil™ RVG

Data

Metallised Film

Biaxially oriented polypropylene (BOPP) film co-extruded on both sides with polyolefinic polymers and subsequently metallised on one surface.

- Heat sealable on the non-metallised surface
- Excellent barrier to UV/visible light
- Excellent water vapour barrier
- Excellent metal adhesion
- Compatible with Propafilm™ RGP in laminates
- Stable metallised surface for long-term ink adhesion
- Suitable for cold-seal conversion



Applications

RVG20 is ideally used in laminate structures for the packaging of snacks, biscuits and confectionery. Laminates of Propafoil RVG and Propafilm™ RGP enhance pack appearance and machine performance and can provide a substantial improvement to the shelf-life of moisture or light sensitive products.

RVG30 is particularly suited to form-fill-seal packaging of confectionery, biscuit, ice-cream and grocery products. The metallised surface provides an excellent barrier to UV/visible light, retards rancidity, extends shelf-life and prevents show through of the packed product.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RVG	
Thickness	Innovia Films test		micron	20	30
Yield	Innovia Films test		m ² /kg g/m ²	54.9 18.2	36.6 27.3
Permeability to: Water vapour	ASTM F 1770	38 °C 90% RH	g/m ² .24 hrs	0.9	1.0
Oxygen	ASTM F 1927	23 °C 0% RH	cc/m ² .24 hrs	120	140
Optical: Light transmission		UV / visible	%	<1	
Optical density	Innovia Films test			2.2	
Coefficient of friction (film to film) (non-metallised surface)	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	90 130	
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ² MD TD	2700 2300	
Sealing range (non-metallised surface)	Innovia Films test	2 secs; 0.10 MN/m ²	°C	115-145	
Seal strength (non-metallised surface)	Innovia Films test	130 °C; 2 secs; 0.10 MN/m ²	g(f)/25mm	>350	
Shrinkage	Innovia Films test	60 secs at 130 °C	% MD TD	6.0 -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

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Reel Specifications

Nominal Reel Diameters



Film	Length/(metres)					
	RVG20 RVG30	1900 1250	3800 2500	7600 5000	11400 7500	15200 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.

Metallised Surface

Propafoil RVG is available with the metallised surface wound on either the inner or outer surface of the reel. The metallised surface is identified by a symbol on a label attached to each reel.

Metallised Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

Film Storage

No special conditions are required for the storage of Propafoil RVG but it is recommended that dry conditions at temperatures below 30°C are employed to minimise any deterioration of surface discharge treatment level.

Propafoil RVG 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

Propafoil RVG is suitable for most applications involving foodstuffs, provided the metal surface is not allowed to come into direct contact. 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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