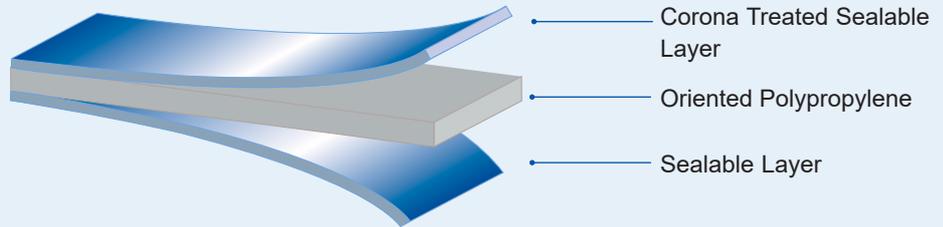


Encore RGP30b30/ RGP35b30

Technical Data Sheet



RGP b30 - Sustainable packaging film – Biaxially orientated polypropylene (BOPP) film with surfaces which are heat sealable and treated



Technical Features

- Heat sealable on both sides
- Treated for printing and lamination
- High water vapour barrier'

Sustainable Features

- 30% certified renewable content
- ISCC certified via mass balance
- Contributes to reducing carbon footprint and the use of fossil resources

Applications

- Overwrap
- VFFS
- HFFS
- Bag making

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RGP b30	
Thickness	Innovia Films test		micron	30	35
			gauge	120	140
Yield	Innovia Films test		m ² /kg	36.6	31.4
			in ² /lb	25800	22100
			g/m ²	27.3	31.9
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	5.0	4.1
			g/100in ² .24 hrs	0.32	0.26
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m ² .24 hrs	1600	1400
			g/100in ² .24 hrs	103	90
Optical: Gloss Haze (wide angle)	ASTM D 2457	45°	units	85	
	ASTM D 1003	2.5°	%	1.0-2.5	
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
			lb/in ²	TD	192
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
				MD	361700
				TD	303800
Sealing Range	Innovia Films test	2 secs; 0.10MN/m ² 2 secs; 15 psi	°C	115-145	
			°F	185-295	
Seal Strength	Innovia Films test	130°C; 2 secs; 0.10MN/m ² 265°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 ± 4°F, 50 ± 5% RH), unless otherwise stated. Where relevant, tests are based on international testing standards.
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Encore RGP30b₃₀/RGP35b₃₀

Technical Data Sheet



Reel Specifications

Nominal Reel Diameters

Film	Single Length (metres)	12x Length (metres)
RGP30b ₃₀	1250	15000
RGP35b ₃₀	1100	13200

Film	Single Length (feet)	12x Length (feet)
RGP120b ₃₀	4100	49200
RGP140b ₃₀	3600	43300

Other reel lengths are available in multiples of the single length as per the core diameter listed below.

Outside Diameter	1x	2x	4x	6x	8x	12x
For 77mm	240mm	330mm	450mm	-	-	-
For 153mm	-	-	475mm	570mm	650mm	785mm

Corona Discharge Treatment

Corona discharge treatment is available on either the inner or outer surface of Encore RGP b₃₀. The treated surface is identified by a symbol on a label as below.

Treated Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

Film Storage and Handling

No special conditions are required for the storage of Encore RGP b₃₀ but it is recommended that dry conditions at temperatures below 30°C (85°F) are employed to minimise any deterioration of surface discharge treatment level. Encore RGP b₃₀ 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

Encore RGP b₃₀ complies with the applicable EU and US legislation for most applications involving direct contact with foods. Full details are given on the food contact certificate. Customers intending to use Encore RGP b₃₀ in a food contact application should request a copy of this document from Innovia Films. Details of compliance with food contact legislation in other countries are also available upon request.

Health & Safety Guidelines

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

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