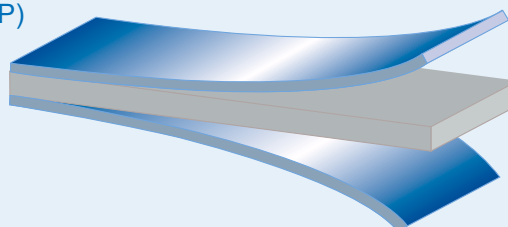


Encore RGP40r50

Technical Data Sheet



RGP r50 - Sustainable packaging film – Biaxially orientated polypropylene (BOPP) film co-extruded on both sides with polyolefinic copolymers



- Corona Treated Sealable Layer
- Oriented Polypropylene
- Sealable Layer

Technical Features

- Heat-sealable on both sides
- Excellent water vapour barrier
- Anti-static protected
- Treated one side for laminating
- Puncture and impact-resistance maintained at low temperatures
- Unaffected by variations in climatic conditions

Sustainable Features

- 50% Certified recycled content
- ISCC certified via mass balance
- Contributes to a Circular Economy
- Contributes to reducing the use of fossil resources

Applications

- Overwrap
- VFFS
- HFFS
- Bag making

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RGP r50	
Thickness	Innovia Films test		micron	40	
			gauge	160	
Yield	Innovia Films test		m ² /kg	27.5	
			in ² /lb	19385	
			g/m ²	36.4	
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	3.9	
			g/100in ² .24 hrs	0.25	
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m ² .24 hrs	1300	
			g/100in ² .24 hrs	84	
Optical: Gloss	ASTM D 2457	45°	units	85	
			Haze (wide angle)	ASTM D 1003	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
				TD	192
			lb/in ²	MD	33300
				TD	27500
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
			lb/in ²	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
					untreated to untreated
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 ± 4F, 50 ± 5% RH), unless otherwise stated. Where relevant, tests are based on international testing standards. Ref RGP r50 - 1 of 2 - 0421

Encore RGP40r50

Technical Data Sheet



Reel Specifications

Nominal Reel Diameters

Film	Single Length (metres)	12x Length (metres)
RGP40r50	950	11400

Film	Single Length (feet)	12x Length (feet)
RGP160r50	3100	37400

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 / 3in core	240mm 9½in	330mm 13in	450mm 18in	-	-	-
For 153mm / 6in core	-	-	475mm 18¾in	570mm 22½in	650mm 25½in	785mm 31in

Corona Discharge Treatment

Corona discharge treatment is available on either the inner or outer surface of Encore RGP r50. 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 r50 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 r50 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 r50 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 Encore RGP r50 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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