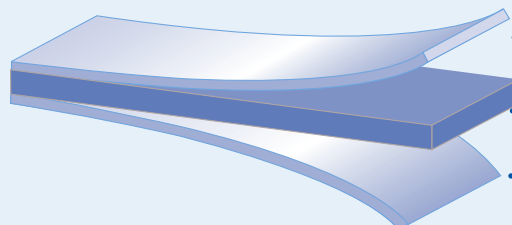


Encore RFC30r30

Technical Data Sheet



RFC r30 - Clear Biaxially Oriented Polypropylene Film with Chemically Recycled Plastic Waste Sourced PP Resin for Roll-Fed Wraparound Label Applications.



Corona Treated Polyolefin Layer

Clear OPP Core

Treatable Polyolefin Layer

Technical Features

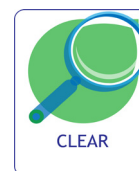
- High clarity for 'no-label look'
- High gloss for shelf appeal
- High MD stiffness for high speed conversion
- Controlled CoF for high efficiency labelling
- Excellent cuttability
- Excellent hot/cold moisture resistance

Sustainable Features

- Certified 30% Chemically Recycled Plastic Waste Sourced PP Resin
- ISCC Certified via mass balance
- Contributes to a move to a circular economy
- Contributes to reducing the use of fossil resources

Applications

Encore RFC r30 is printable with traditional flexographic and rotogravure processes. In-line corona treatment is recommended. Exact ink choice should be recommended by your supplier.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RFC r30
Thickness	Innovia Films test		micron	30
Yield	Innovia Films test		m ² /kg in ² /lb g/m ²	36.6 25800 27.3
Optical: Gloss Haze (wide angle)	ASTM D 2457 ASTM D 1003	45° 2.5°	%	85 1.0-2.0
Coefficient of friction (film to film)	ASTM D 1894	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 TD kpsi MD TD	230 192 33.4 27.8
Elongation at break	ASTM D 882	Strain rate 50%/min	% MD TD	90 125
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10%/min	MN/m ² MD TD kpsi MD TD	2500 2100 362 304
Shrinkage	Innovia Films test	60 secs at 130°C (266°F)	% MD TD	6.0 -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)
RFC30r30	1250	15000

Film	Single Length (feet)	12x Length (feet)
RFC120r30	4100	49200

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 RFC r30. 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

Care should be taken to protect reels of film from storage temperatures above 30°C (86°F) and localised sources of heat above 45°C (115°F). The reels should remain in the protective coverings supplied until ready for use on converting machinery. Converted reels, in both master and slit reel form should be similarly protected at all times. Encore RFC r30 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 RFC r30 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 RFC r30 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 L190.

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