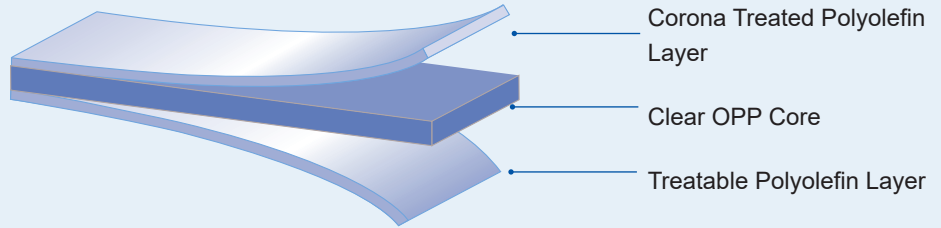


Encore C45r30/C49r30

Technical Data Sheet



C r30 - Clear, Biaxially Oriented Polypropylene Film with Chemically Recycled Plastic Waste Sourced PP Resin, for Facestock Applications.



Technical Features

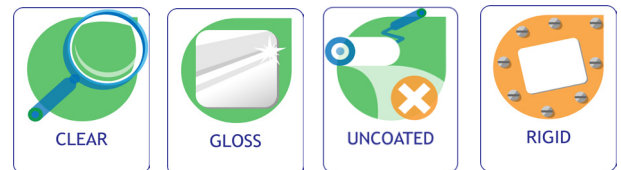
- Corona treated print surface
- No migratory additives
- Excellent clarity for 'no-label look'
- Excellent hot/cold moisture resistance
- Recyclable with polyolefin materials
- Semi-squeeze performance
- High stiffness for conversion and automatic dispensing
- Balanced biaxial orientation for superior die cutting
- High gloss surface

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 C r30 can be printed by traditional flexographic and gravure processes. However, exact ink systems should be recommended by your supplier. Additional in-line corona treatment is recommended for optimum performance.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	C r30	
Thickness	Innovia Films test		micron	45	49
			gauge	180	195
Yield	Innovia Films test		m ² /kg	24.4	22.4
			in ² /lb	17150	15750
			g/m ²	41.0	44.6
Optical: Gloss Haze (wide angle)	Innovia Films test		%	85	
				<2.0	
Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m ²	MD	200
				TD	180
			kpsi	MD	29.0
				TD	26.1
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD	105
				TD	120
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10%/min	MN/m ²	MD	2400
				TD	2200
			kpsi	MD	348
				TD	319
Dimensional stability	Innovia Films test	60 secs at 120°C (248°F)	%	MD	3.0
				TD	Nil
		60 secs at 130°C (266°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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Encore C45r30/C49r30

Technical Data Sheet



Conversion

The balanced biaxial orientation of Encore C r30 results in excellent die cutting performance, enhancing label edge appearance and prolonging die life. The high machine direction stiffness and tensile strength produces excellent matrix stripping and superior high speed label dispensing.

Reel Specifications

Nominal Reel Diameters

Film	Core Size/(mm)	Approx Outside Dia/(mm)	Length/(metres)
C45r30	153	875	12300
		1060	18300
		1217	24300
C49r30	153	816	9600
		920	12300
		1120	18300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
C180r30	6	34.4	40300
		41.7	60000
		47.9	79700
C195r30	6	31.9	31500
		36.2	40300
		44.1	60000

Alternative reel lengths/core sizes are available subject to negotiation.

The corona treated surface is available on either the inner or outer surface of Encore C r30.

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 C 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 C 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 C 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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