Encore NC23r₃₀

Technical Data Sheet

NC r30 - Clear Biaxially Oriented Polypropylene Film with Chemically Recycled Plastic Waste Sourced PP Resin for Tobacco Overwrap Applications.

Technical Features

- Heat-sealable both sides via low seal threshold coats
- Does not seal to coextruded films used in packet wrap provided recommended machine settings are used
- Good moisture and flavour barrier
- Optimised slip and anti-blocking both sides
- Strong seals for tamper evidence

Test Method

Innovia Films test

Innovia Films test

ASTM F 1249

Very wide sealing range

Property

Thickness

Permeability to:

Water vapour

Yield

Sustainable Features

30% recycled content

Test Conditions

38°C 90% RH

100°F 90% RH

- ISCC certified on a mass balance basis
- Contributing to a circular economy
- Contributes to reducing the use of fossil resources

Applications

NC r30 is suitable for clear /naked collation of wrapped packs where exceptional pack appearance is required..

NC r30

23 92

47.8

33600

20.9

5.3

0.34

Oxygen	ASTM F 1927	23ºC 0% RH 73ºF 0% RH	cc/m².24 hrs cc/100in². 24 hrs	1650 106	
Optical: Gloss	BS 2923	20°	units	125	
Haze (wide angle)	ASTM D 1003	2.5°	%	1.5	
Coefficient of friction (out to out)	ASTM D 1894	Static/ Dynamic		0.30 0.25	
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ² MD TD Ib/in ² MD TD	170 210 24700 30500	
Elongation at break	ASTM D 882	Strain rate 50% / min	% MD TD	120 80	
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ² MD TD Ib/in ² MD TD	3000 3600 435100 522100	
Sealing range	Innovia Films test	2 secs; 0.10MN/m² 2 secs; 15 psi	°C °F	90-140 195-285	
Operational sealing range for clear wrap*	Innovia Films test	2 secs; 0.10MN/m² 2 secs; 15 psi	°C °F	100-115 210-240	
Seal strength	Innovia Films test	130°C; 2 secs; 0.10MN/m² 265°F; 2 secs; 15 psi	g(f)/25mm/ in	500	
Shrinkage	Innovia Films test	60 secs at 120°C (250°F)	% MD TD	4.5 3.5	

MD Machine Direction TD Transverse Direction

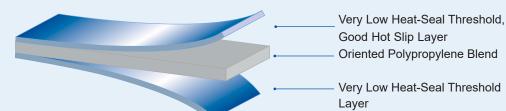
All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH,(73 ± 4F, 50 ± 5% RH), unless otherwise stated. Where relevant, tests are based on international testing standards. Ref NC r₃₀ - 1 of 2 - 0222



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Units

micron

daude

m²/kg

in²/lb

g/m²

g/m².24 hrs

g/100in². 24 hrs

INNOVIA

Encore NC23r₃₀





Reel Specifications Nominal Reel Diameters

Film	Length (metres)
NC23r ₃₀	3300
Film	Length (feet)
NC92r30	10827
Outside Diameter	
For 77mm / 3in core	330mm 13in
For 153mm / 6in core	355mm 14in

Film Winding

Encore[™]NC r₃₀ has differential hot slip properties for maximum wrap tightness. When overwrapping, it is advised to use the low slip (higher coefficient of friction) surface on the inside of the wrap, against the wrapped packs. Encore[™] NC r₃₀ is not recommended for printing applications.

Treated Surface	Ordering Code	Label Symbol
Inside	I	Low slip >>
Outside	0	O Low slip < <

*For printing application consult an Innovia Films Technical Representative.

Film Storage and Handling

No special conditions are required for the storage of Encore[™]NC r₃₀ but it is recommended that dry conditions at temperatures below 30°C (85°F) are employed. Encore[™]NC 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[™]NC 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[™]NC 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 B190.

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