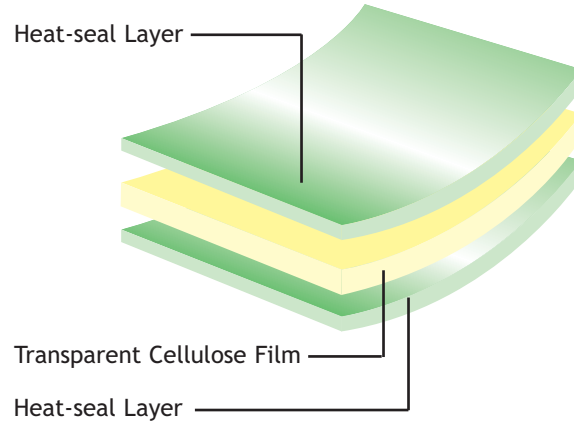


# NatureFlex™ NE

Data

## Features - Transparent Heat-sealable Compostable Films

- Based on renewable resources
- Certified as biodegradable and compostable in all key biodegradation situations (industrial or home composting and waste-water environments)
- Heat-sealable on both sides
- Good transparency and gloss
- Superb dead-fold characteristics
- Good moisture barrier
- Inherent anti-static properties
- Good barrier to gases and aromas
- Resistant to oils and greases



## Applications

NE films are suitable for use as a single film for packing on vertical, horizontal, twistwrap and overwrap machines.

NE films are designed to offer increased moisture barrier for the packaging of more hygroscopic foods.

## Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	NE			
				75	90	120	165
Thickness	Innovia Films test		mil	0.76	0.90	1.16	1.63
Yield	Innovia Films test		in <sup>2</sup> /lb	25100	21300	16600	11800
Permeability to: Water vapor	ASTM E96	100 °F 90% RH	g/100in <sup>2</sup> . 24 hrs	2.0			
Oxygen	ASTM F 1927	75 °F 0% RH	cc/100in <sup>2</sup> . 24 hrs	0.2			
Optical: Gloss	ASTM D 2457	45°	units	90			
Haze (wide angle)	ASTM D 1003	2.5°	%	6			
Coefficient of friction (film to film)	ASTM D 1894	Dynamic		0.3			
Tensile strength	ASTM D 882		kpsi			18	10
Elongation at break	ASTM D 882		%			22	70
Elasticity modulus (1% secant)	ASTM D 882		kpsi			>435	>220
Sealing range	Innovia Films test	0.5 secs; 10 psi	°F	175-390			
Seal strength	Innovia Films test	275 °F; 0.5 secs; 10 psi	g(f)/in	>400			

All properties are tested under standard laboratory conditions: 75± 4°F; 50±5% RH, unless otherwise stated.

Where relevant, tests are based on international testing standards.

MD Machine Direction TD Transverse Direction

Ref N300 - 1of 2 - Edition USA - 0808

## Roll Specifications

### Nominal Roll Diameters

Film	Length/(feet)			
	6200	12500	24900	37500
75 NE	6200	12500	24900	37500
90 NE	5250	10500	21000	31500
120 NE	4100	8200	16400	24600
165 NE	2950	5900	11800	17700
Outside Diameter for 3in Core	9 <sup>1</sup> / <sub>2</sub> in	13in	17 <sup>3</sup> / <sub>4</sub> in	ns
Outside Diameter for 6in Core	ns	14in	18 <sup>3</sup> / <sub>4</sub> in	22 <sup>1</sup> / <sub>2</sub> in

ns = non-standard

Other roll lengths are available subject to negotiation.

## Compostability



NatureFlex NE film is certified to the Industrial Composting norms, ASTM D6400 and EN13432, and to OK Compost's Home Composting Standard.



## Film Storage & Use

To maintain the high quality of this product during storage it is recommended that NatureFlex NE should be stored in its original wrapping away from any source of local heating or direct sunlight.

Recommended conditions of storage are:

Temperature: 60-75 °F

Relative Humidity: 35-55%

NatureFlex NE 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

NatureFlex NE complies with the applicable food contact regulations for most ambient applications involving direct contact with foodstuffs. NatureFlex NE also complies with the food contact regulations for use in contact with most foods at elevated temperatures (maximum 390°F, 30 minutes). However, confirmatory testing should be carried out for each application to ensure that this film type is suitable for the proposed use. For specific inquiries please refer to literature reference N120 or contact our Technical Services Department.

## Health & Safety Guidelines

For Health and Safety information, please refer to literature reference N190.



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