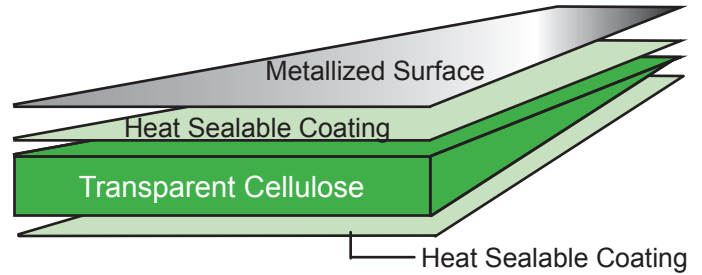


NatureFlex™ NM
High Performance
Metallized
Compostable Film



Product Features

DESCRIPTION: A compostable, heat sealable, metallized film that is based on renewable resources. It combines excellent optical properties with enhanced barrier and deadfold capabilities.

FEATURES:

- Superb Dead-Fold and Twist Capability
- Highly Receptive Surfaces for Ease of Conversion
- Ultra High Luster and Sparkle
- Excellent Barrier to UV/Visible Light Transmission
- Heat Sealable on Non-Metallized Side
- Inherent Anti-Static Properties
- Controlled Slip Characteristics
- Barrier to Gasses and Aromas
- Resistant to Oils and Greases
- Cold Seal Compatible

APPLICATIONS:

- Twistwrap
- Flow-Wrap
- Confectionary
- Bakery
- Non-Food Products

COMPOSTABILITY:

NatureFlex 90 D-NE film is certified to the Industrial Composting norms, ASMT D6400 and EN13432, and to OK Compost's Home Composting Standard.



Property			Unit	Test Method
Physical Properties				
Thickness		92	gauge	
Yield		21,000	in ² /lb	
Tensile Strength	MD TD	18,000 10,000	PSI	ASTM D 882
Elongation	MD TD	22 70	%	ASTM D 882
COF (metallized/non-metallized)		0.40 0.22		ASTM D 1894
Elasticity Modulus (1% secant)	MD TD	>435,000 >220,000	PSI	ASTM D 882
Thermal Properties				
Seal Strength		300	g(f)/1 in	275°F x 0.5 secs x 10 PSI
Seal Range			°F	0.5 secs x 10 PSI
Optical Properties				
Optical Density		2.5		Innovia Films Test
Barrier Properties				
Water Vapor Transmission		0.32	g/100in ² /24hrs	100°F x 90% RH
Oxygen Transmission		0.19	cc/100in ² /24hrs	75°F x 0-5% RH

* All values +/- 10%

Film Storage: NatureFlex™ film should be stored in its original wrapping away from any source of local heating or direct sunlight at temperatures between 60-75°F and at a relative humidity of 35-55%. NatureFlex™ film is suitable for use for 4 months from the date of delivery, and stocks should be used in rotation. Films should be allowed to reach operating room temperature 24 hours before use.

Food Contact: The non-metallized surface of NatureFlex™ NM is suitable for most applications involving foodstuffs. The metallized surface should not come into direct contact with foodstuffs.

Standard Roll Sizes

Available Core Sizes →	3"	3"	3"	6"
Approximate Roll OD →	9.5	13	18	18¾"
Standard Cellophane Gauges	Approximate Roll Lengths			
76	6,500	13,000	26,000	
86	5,700	11,400	22,800	
87	5,700	11,400	22,800	
90	5,700	11,400	22,800	
99	5,000	10,000	20,000	
100	5,000	10,000	20,000	
121	4,100	8,200	16,400	
137	3,600	7,200	14,400	
150	3,600	7,200	14,400	
160	3,000	6,000	12,000	
164	3,000	6,000	12,000	
170	2,900	5,750	11,500	

*Non-standard roll lengths/OD's are available on special request.

Available Widths

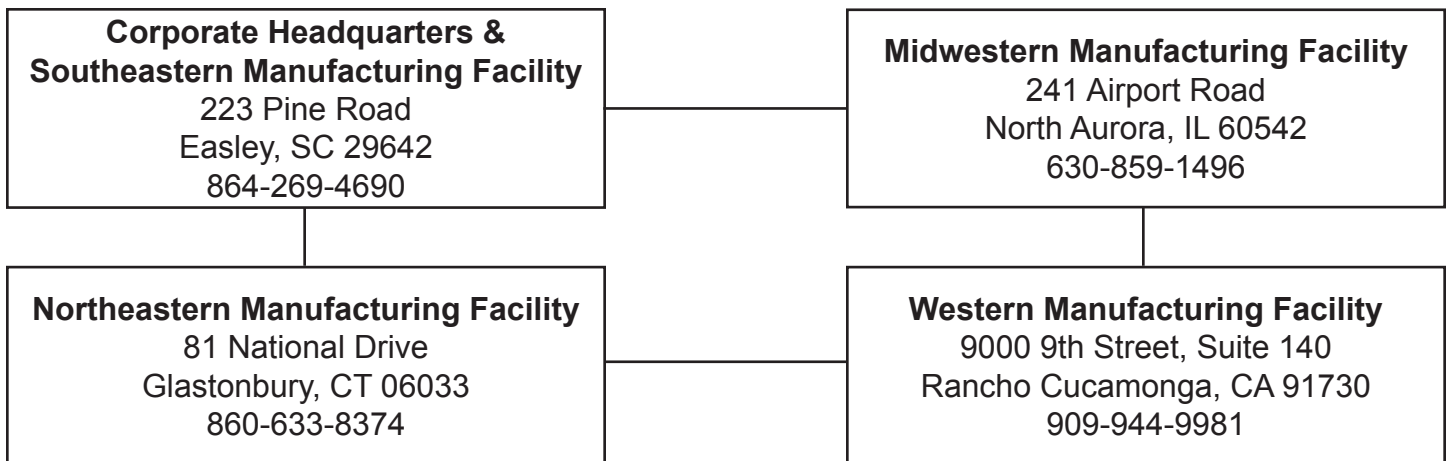
- Most films are available in roll widths from ¼ inch to 80 inches

Minimum Order Quantities

- Minimum order quantity is 500 lbs. Freight will be prepaid and added to invoice.
- Production orders less than 500 lbs. will incur a less than minimum order fee.
- Orders greater than 1000 lbs. are shipped freight paid.

Plant Locations

Nationwide service through four plants locations.



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P.O. Box 51128 - Piedmont, SC 29673 - 800-648-4828 - www.interfilm-usa.com