

# NATUREFLEX™ NE-F

## DESCRIPTION:

NatureFlex™ NE-F is a transparent heat sealable two side compostable film.

## CHARACTERISTICS:

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

## FDA STATUS:

Manufactured with materials compliant with FDA regulations.

## TECHNICAL DATA:

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUES				TEST METHOD
Thickness	Gauge	75	90	120	165	-
Yield	in <sup>2</sup> /lb	24,250	21,000	16,400	11,750	-
Tensile Strength MD	psi	18,000	18,000	18,000	18,000	ASTM D882
Tensile Strength TD	psi	10,000	10,000	10,000	10,000	ASTM D882
Elongation at Break MD	%	22	22	22	22	ASTM D882
Elongation at Break TD	%	70	70	70	70	ASTM D882
Elasticity modulus (1% secant) MD	psi	>435,000	>435,000	>425,000	>435,000	ASTM D882
Elasticity modulus (1% secant) TD	psi	>220,000	>220,000	>212,000	>220,000	ASTM D882
Seal Strength	g(f)/in	>400	>400	>400	>400	275°F; 0.5 secs; 10psi
Optical gloss 45°	Units	90	90	90	90	ASTM D2457
Haze (wide angle) 2.5°	%	4.5	4.5	4.5	4.5	ASTM D1003
C of F (film to film)	Dynamic	0.5	0.5	0.5	0.5	ASTM D1894
WVTR	g/100 in <sup>2</sup> /24 hrs	2.3	2.3	2.3	2.3	ASTM E96 75°F 75% RH
OTR	cc/100 in <sup>2</sup> /24 hrs	0.06	0.06	0.06	0.06	ASTM D1927 75°F 0% RH

\*All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own test. Transcendia shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

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