

# NATUREFLEX™ NM-F

## DESCRIPTION:

NatureFlex™ NM-F is a two side barrier coated, one side metallized compostable film.

## CHARACTERISTICS:

- Based on renewable resources
- Heat sealable on non-metallized surface
- Certified as compostable in both industrial and home composting environments, also suitable for anaerobic digestion
- Excellent moisture barrier
- Highly receptive surfaces for ease of conversion
- Ultra high luster and sparkle
- Controlled slip characteristics
- Excellent dead-fold characteristics
- Inherent anti-static properties
- Excellent barrier to gases and aromas
- Resistant to oils and greases
- Highly receptive surfaces for ease of conversion
- Cold seal compatible

## FDA STATUS:

Manufactured with materials compliant with FDA regulations.

## TECHNICAL DATA:

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUES		TEST METHOD
Thickness	Gauge	92	180	-
Yield	in <sup>2</sup> /lb	21,000	10,890	-
Tensile Strength MD	psi	18,000	18,000	ASTM D882
Tensile Strength TD	psi	10,000	10,000	ASTM D882
Elongation at Break MD	%	22	22	ASTM D882
Elongation at Break TD	%	70	70	ASTM D882
Elasticity modulus (1% secant) MD	psi	>435,000	>425,000	ASTM D882
Elasticity modulus (1% secant) TD	psi	>220,000	>212,000	ASTM D882
Seal Strength	g(f)in	200	-	275°F; 0.5 secs; 10psi
Optical density		2.5	2.5	-
C of F (film to film)	Metallized surface	0.4	0.4	ASTM D1894
C of F (film to film)	Non-metallized surface	0.25	0.25	ASTM D1894
WVTR	g/100 in <sup>2</sup> /24 hrs	.65	<0.32	ASTM E96 100°F 90% RH
OTR	cc/100 in <sup>2</sup> /24 hrs	<0.06	<0.19	ASTM D1927 75°F 0% RH
OTR	cc/100 in <sup>2</sup> /24 hrs	<0.2	<0.2	ASTM D1927 75°F 50% 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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