

# NATUREFLEX™ NK

## DESCRIPTION:

NatureFlex NK is a compostable, heat sealable, transparent high barrier film that is based on renewable resources. It offers an increased moisture barrier for the packing of more hygroscopic foods.

## CHARACTERISTICS:

- Based on renewable resources
- Certified as compostable in both industrial and home composting environments, also suitable for anaerobic digestion
- Excellent moisture barrier
- Heat sealable on both sides
- Formulated for enhanced print and conversion receptivity
- Excellent transparency and gloss

## FDA STATUS:

Compliant with the US Food and Drug Administration regulations under 21 CFR 177.1630, Sections (f), (g), and (h) for direct food contact.

## TECHNICAL DATA:

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUE				TEST METHOD
Thickness	Gauge	75	90	120	165	Transilwrap Test
Yield	in <sup>2</sup> /lb	25,650	21,000	16,400	11,700	Transilwrap Test
Tensile Strength MD	psi	18,000	18,000	18,000	18,000	ASTM D882A
Tensile Strength TD	psi	10,000	10,000	10,000	10,000	ASTM D882A
Elongation at Break MD	%	22	22	22	22	ASTM D882A
Elongation at Break TD	%	70	70	70	70	ASTM D882A
Haze	%	6	6	6	6	ASTM D1003
COF (outside to outside)	Dynamic	0.30	0.30	0.30	0.30	ASTM D1894
Elasticity Modulus MD	Psi	>435,000	>435,000	>435,000	>435,000	ASTM D882A
Elasticity Modulus TD	Psi	>220,000	>220,000	>220,000	>220,000	ASTM D882A
Seal Strength	G(f)1 in.	>400	>400	>400	>400	Transilwrap Test
Seal Range	°C	115-170	115-170	115-170	115-170	Transilwrap Test
Gloss 45°	%	105	105	105	105	ASTM D2457
Water Vapor Transmission	g/100in <sup>2</sup> /24hrs	2.0	2.0	2.0	2.0	ASTM E96
Oxygen Transmission	cc/100in <sup>2</sup> /24hrs	0.2	0.2	0.2	0.2	ASTM D3985

\*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.

Revision Date: 09/22/2016

**CORPORATE HEADQUARTERS** 9201 W. Belmont Avenue | Franklin Park, IL 60131

**USA** 800.618.5060 | 847.678.1800 main | 847.233.0199 fax

**CAN** 800.268.4108 | 416.292.6000 main | 416.292.7399 fax

**TRANSCENDIA.COM**

© 2016 Transcendia Inc. All Rights Reserved.