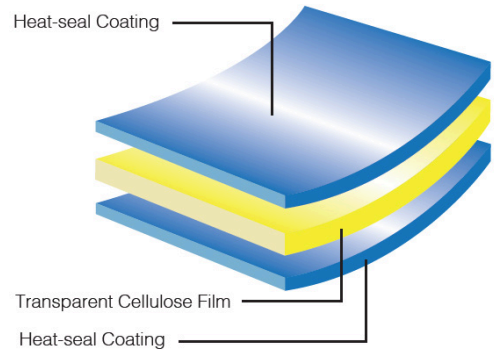


NATUREFLEX™ NVO-F

FEATURES – HEAT RESISTANT COMPOSTABLE FILM

- Based on renewable resources
- Certified as compostable in both industrial and home composting environments
- Semi-permeable to moisture, providing good anti-mist properties
- Heat-sealable on both sides
- Formulated for print and conversion receptivity
- Excellent transparency and gloss
- Inherent anti-static properties
- Controlled slip characteristics
- Excellent barrier to gases and aromas
- Resistant to oils and greases



APPLICATIONS

This film has been specifically formulated for ovenable and microwave applications. The film is suitable for flow-wrap, lamination to board and window bags.

TECHNICAL PROPERTIES (TYPICAL VALUES)

PROPERTY		TEST BASIS	TEST CONDITIONS	UNITS		NVO-F 120
THICKNESS		Transcendia test	-	mil		1.18
YIELD		Transcendia test	-	in ² /lb		16400
PERMEABILITY TO:	WATER VAPOR	ASTM E96	100°F 90% RH	g/100in ² .24 hrs		10
	OXYGEN	ASTM F 1927	73°F 50% RH	cc/100in ² .24 hrs		0.32
GLOSS		ASTM D 2457	45°	units		110
HAZE (WIDE ANGLE)		ASTM D 1003	2.5°	%		3
COEFFICIENT OF FRICTION (FILM TO FILM)		ASTM D 1894	Static	-		0.3
			Dynamic			0.3
TENSILE STRENGTH		ASTM D 882	-	kpsi	MD	18
					TD	10
ELONGATION AT BREAK		ASTM D 882	-	%	MD	22
					TD	70
ELASTICITY MODULUS (1% SECANT)		ASTM D 882	-	kpsi	MD	≥170
					TD	≥85
SEALING RANGE		Transcendia test	0.5 secs; 10 psi	°F		195-390
SEAL STRENGTH		Transcendia test	275°F; 0.5 secs; 10 psi	g(f)/in		150

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.

ENVIRONMENTAL DATA

MEASURE	TYPICAL VALUE/ SUITABILITY FOR USE	VALIDATION OR TEST METHOD
Biobased carbon content (¹⁴ C)	96%	ASTM D6866
Biomass content (total)	89%	Transcendia calculation
Carbon footprint (GHG) kgCO ₂ eq/kg (incl.biogenic)	5.05	Peer reviewed LCA 2010 GaBi software
Industrial compostability	Certified	EN13432, EN14995, ASTM D6400 and ISO 17088
Home compostability	Certified	AS5810-2010, NF T51 - 800:2015
Anaerobic digestion	Not tested	ISO 15985
Marine biodegradation	90% Biodegradation requirement achieved	OK biodegradable marine

NatureFlex™ NVO-F films are suitable for a range of Organic Recycling methods, as detailed above, and for incineration with energy recovery. However they are not designed for thermal (melt) recycling methods. Please check for availability of FSCTM certified film.



FOOD CONTACT

Customers intending to use the film in a food contact application must request the Declaration of Compliance for further details.

HEALTH AND SAFETY GUIDELINES

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

FILM STORAGE

To maintain the high quality of this product during storage it is recommended that NatureFlex™ NVO-F 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™ NVO-F 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.

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

Top AIB Rated Facilities | ISO: 9001 Certified Facilities

©2020 Transcendia, Inc.