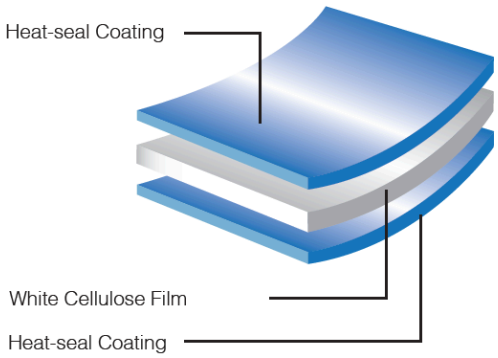
Transcendia
A LEADER IN CUSTOM ENGINEERED MATERIALS

ISO 9001 Certified Company
PERRY JOHNSON REGISTRARS, INC.

NATUREFLEX™ NVS-F WHITE

FEATURES – WHITE HEAT-SEALABLE COMPOSTABLE FILM

- Based on renewable resources
- Certified as compostable in both industrial and home composting environments, also suitable for anaerobic digestion
- Semi-permeable to moisture
- Heat-sealable on both sides
- Formulated for enhanced print and conversion receptivity
- Excellent dead-fold characteristics
- Inherent anti-static properties
- Controlled slip characteristics
- Excellent barrier to gases and aromas
- Resistant to oils and greases
- Cold-seal compatible



APPLICATIONS

NVS-F White has been specifically formulated to offer improved stiffness under chill cabinet conditions and a controlled level of moisture permeability with a heat-sealable conversion-friendly coating on both sides.

TECHNICAL PROPERTIES (TYPICAL VALUES)

PROPERTY		TEST BASIS	TEST CONDITIONS	UNITS		NVS-F WHITE	
						90	170
THICKNESS		Transcendia test	-	mil		0.87	1.65
YIELD		Transcendia test	-	in^2/lb		21000	10900
PERMEABILITY TO:	WATER VAPOR	ASTM E96	77°F 75% RH	g/100in^2.24 hrs		12.9	
			100°F 90% RH			38.5	
	OXYGEN	ASTM F 1927	73°F 0% RH	cc/100in^2.24 hrs		0.065	
			73°F 50% RH			0.32	
OPTICAL:	GLOSS	ASTM D 2457	45°	units		55	
	HAZE (WIDE ANGLE)	ASTM D 1003	2.5°	%		0.3	
COEFFICIENT OF FRICTION (FILM TO FILM)		ASTM D 1894	Static	-		0.30	
			Dynamic			0.30	
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		100	

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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) $kgCO_2eq/kg$ (incl.biogenic)	5.05	Peer reviewed LCA 2010 GaBi software
Industrial compostability	Certified	EN13432, EN14995, ASTM D6400 and ISO 17088
Home compostability	Certified	OK compost home
Anaerobic digestion	Approved	ISO 15985
Marine biodegradation	Approved	ASTM D6691-09

NatureFlex™ NVS-F White 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.

PEFC PEFC/16-33-1610 Promoting Sustainable Forest Management www.pefc.co.uk

FSC www.fsc.org FSC™ C119399
The mark of responsible forestry

USDA CERTIFIED BIOBASED PRODUCT PACKAGE 90%

BPI COMPOSTABLE IN INDUSTRIAL FACILITIES
Check locally, as these do not exist in many communities. CERT # 890980

HOME OK compost VINÇOTTE

Compostable 7H0037

FOOD CONTACT

NatureFlex™ NVS-F White is formulated to comply with US legislation for many room temperature food contact applications. Customers intending to use the film in a food contact application must request the Declaration of Compliance which gives full details. For information on other countries please contact your Transcendia Sales Office.

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™ NVS-F White 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™ NVS-F White 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.

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