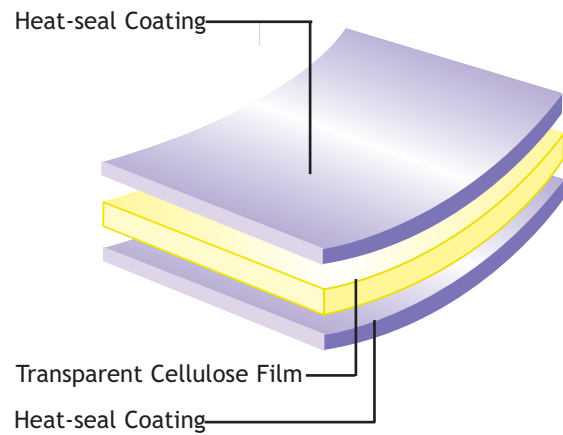


NatureFlex™ NVS

Data

Features - Transparent Heat-sealable Compostable Film

- Based on renewable resources
- Certified as biodegradable and compostable in all key biodegradation situations (industrial or home composting and waste-water environments)
- Semi-permeable to moisture, providing good anti-mist properties
- Heat-sealable on both sides
- Formulated for enhanced print and conversion receptivity
- Excellent transparency and gloss
- Superb dead-fold properties
- Inherent anti-static properties
- Controlled slip characteristics
- Good barrier to gases and aromas
- Resistant to oils and greases
- Cold-seal compatible



Applications

NVS film 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. Target applications include the flow packing of fresh produce, window bags and bakery.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	NVS	
				23µ	30µ
Thickness	Innovia Films test		micron	23.3	29.9
Yield	Innovia Films test		m ² /kg g/m ²	29.9 33.5	23.3 43.0
Permeability to Water vapour	ASTM E96	38 °C 90% RH	g/m ² .24 hrs	360	
Oxygen	ASTM F 1927	23 °C 0-5% RH	cc/m ² .24 hrs. bar	3	
Optical: Gloss	ASTM D 2457	45°	units	110	
Haze (wide angle)	ASTM D 1003	2.5°	%	4	
Coefficient of friction (film to film)	ASTM D 1894	Static Dynamic		0.25 0.25	
Tensile strength	ASTM D 882		MN/m ² MD TD	125 70	
Elongation at break	ASTM D 882		% MD TD	22 70	
Elasticity modulus (1% secant)	ASTM D 882		MN/m ² MD TD	>3000 >1500	
Sealing range	Innovia Films test	0.5 secs; 69 kN/m ²	°C	90-200	
Seal strength	Innovia Films test	135 °C; 0.5 secs; 69 kN/m ²	g(f)/25mm	300	

All properties are tested under standard laboratory conditions: 23± 2°C; 50±5% RH, unless otherwise stated.
 MD Machine Direction TD Transverse Direction

NatureFlex™ NVS _____ Data

Reel Specifications

Nominal Reel Diameters

Film	Length/(metres)			
	23µ 30µ	1600 1250	3200 2500	6400 5000
Outside Diameter for 77mm Core	240mm	330mm	450mm	ns
Outside Diameter for 153mm Core	ns	355mm	475mm	570mm

ns = non-standard

Other reel lengths are available subject to negotiation.

Compostability



NatureFlex NVS film is certified to the Industrial Composting norms, EN13432 and ASTM D6400, and to OK Compost's Home Composting Standard.



Film Storage

To maintain the high quality of this product during storage it is recommended that NatureFlex NVS should be stored in its original wrapping away from any source of local heating or direct sunlight.

Recommended conditions of storage are:

Temperature: 17-23°C

Relative Humidity: 35-55%

NatureFlex NVS is suitable for use for 6 months from the date of delivery and stocks should be used in rotation.

Film should be allowed to reach operating room temperatures for 24 hours before use.

Food Contact

NatureFlex NVS complies with the applicable food contact regulations for most ambient applications involving direct contact with foodstuffs. For specific enquiries please refer to literature reference N120 or contact our Technical Services Department.

Health & Safety Guidelines

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



www.innoviafilms.com
 email: filmsinfo@innoviafilms.com
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Sales Offices

Europe (UK) Tel +44 (0)16973 42281
 Americas (USA) Tel +1 877 822 3456
 Asia-Pacific (Aus) Tel +61 3 9303 0600

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