

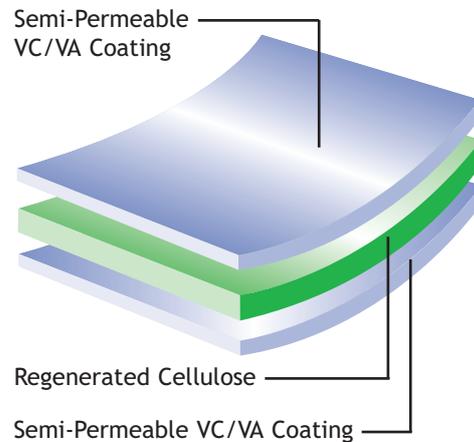
# Cellophane™ WS

Data

## Features - Semi-Permeable Film

Regenerated cellulose film (RCF), coated on both sides with a vinyl chloride/vinyl acetate copolymer by a solvent process.

- Heat-sealable on both sides
- Wide heat-sealing range
- Intermediate barrier to water vapour, good barrier to gases and aromas
- Anti-static
- Resistant to oils and greases
- Both sides of the film are equally receptive to inks, adhesives and tear-tapes
- Very high gloss and transparency
- Biodegradable base film



## Applications

**335/430WS** Particularly suitable for the packaging of products requiring protection from mould or bacterial growth. Also recommended for the packaging of products with low sugar content, products containing fillings and the overwrapping of cartons containing perfumes or cosmetics.

**335WS** A special grade is produced which is particularly suited to the wrapping of speciality soft cheeses.

## Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	WS	
				335	430
Thickness	Innovia Films test		micron	23.3	29.9
Yield	Innovia Films test		m <sup>2</sup> /kg g/m <sup>2</sup>	29.9 33.5	23.3 43.0
Permeability to: Water vapour Oxygen	ASTM E 96	38 °C 90% RH	g/m <sup>2</sup> .24 hrs	370	
	ASTM F 1927	23 °C 0-5% RH	cc/m <sup>2</sup> .24 hrs. bar	3	
Optical: Gloss Haze (wide angle)	ASTM D 2457	45 °	units	95	
	ASTM D 1003	2.5 °	%	3	
Coefficient of friction (film to film)	ASTM D 1894	Static Dynamic		0.25 0.20	
			Tensile strength	ASTM D 882	
Elongation at break	ASTM D 882		% MD TD	22 70	
Elasticity modulus (1% secant)	ASTM D 882		MN/m <sup>2</sup> MD TD	>3000 >1500	
Sealing range	Innovia Films test	0.5 secs; 69 kN/m <sup>2</sup>	°C	105-160	
Seal strength	Innovia Films test	135 °C; 0.5 secs; 69 kN/m <sup>2</sup>	g(f)/38mm	200	

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

MD Machine Direction TD Transverse Direction

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## Reel Specifications

### Nominal Reel Diameters

Film	Length/(metres)			
	335WS 430WS	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.

### Sheets

We can provide sheets to a range of sizes and shapes upon request.

## Film Storage

To maintain the high quality of this product during storage it is recommended that Cellophane WS 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%

Cellophane WS 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.

## Food Contact

Cellophane WS is suitable for most applications involving direct contact with foodstuffs. For specific enquiries, please refer to literature reference A120 or contact our Technical Services Department.

## Health & Safety Guidelines

For Health and Safety information, please refer to literature reference A190.



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