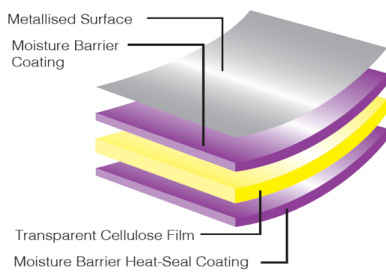


## CELLOPHANE METALLIZED TECHNICAL SHEET



- Based on renewable resources, it creates an excellent barrier against moisture, gas and aroma as well as UV barrier / visible light transmission.
- Excellent dead-fold features thanks to the highly receptive surface for easy conversion.
- Heat-sealable on the non-metallized part, it offers excellent antistatic and anti-slip properties
- Resistant to oils and greases.
- Ultra high sparkle

### MATERIAL

Thanks to the high barrier, this metallic film is certified as compostable in both industrial and domestic environments, and is also suitable for anaerobic digestion.

The incorporation of a minimum amount of PVdC serves to Optimize moisture and act as a barrier to gases by allowing a simpler and lighter packaging, useful to extend and / or Keep the shelf life of the packaged products.

### APPLICATION

This film is designed for unprinted and surface printed applications such as twist wrap and flow-wrap of confectionery, bakery and non-food products, but it is not suitable for lamination.

### HEALTH & SAFETY

Please refer to literature reference N190.

The non-metallised surface of this film is formulated to comply with EU legislation for many room temperature food contact applications. Customers intending to use the film in food contact application must request the Declaration of Compliance which gives full details.

The metallised surface should not be placed in contact with foods. For information on other countries please contact us.

### STORAGE

To maintain the high quality of this product during storage it is recommended to keep it 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%

Suitable for use for 4 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.

Property	Test Basis	Test Conditions	Units	23µ
Thickness	<b>Bogophane Test</b>		Micron	23.3
Yield	<b>Bogophane Test</b>		m <sup>2</sup> /kg g/m <sup>2</sup>	29.9 33.5
Permeability to: Water vapour	ASTM E96	38°C 90% RH	g/m <sup>2</sup> .24 hrs	10
	ASTM F 1927	23°C 0% RH 23°C 50% RH	cc/m <sup>2</sup> .24 hrs	0.5 1.0
Optical: Optical Density	<b>Bogophane Test</b>			2.5
Coefficient of friction (film to film)	ASTM D 1894	Metallised surface		0.4
		Non-metallised surface		0.3
Tensile strength	ASTM D 882		MN/m <sup>2</sup> MD TD	125 70
Elongation at break	ASTM D 882		% MD TD	22 70
Elasticity modulus (1% secant)	ASTM D 882		MN/m <sup>2</sup> MD TD	≥1200 ≥600
Sealing range	<b>Bogophane Test</b>	0.5 secs 69 kN/m <sup>2</sup>	°C	115-170
Seal strength	<b>Bogophane Test</b>	135°C; 0.5 secs; 69 kN/m <sup>2</sup>	g(f)/25mm	225

All properties are tested under standard laboratory conditions: 23±2°C; 50±5% RH, unless otherwise stated. Where relevant, tests are based on international testing standards.  
 MD - Machine Direction TD - Transverse Direction

Measure	Typical Value/ Suitability for use	Validation or Test Method
Biobased carbon content (1°C)	90%	ASTM D6866
Biomass content (total)	87%	Bogophane calculation
Carbon footprint (GHG) kgCO <sub>2</sub> eq/kg (incl.biogenic)	5.35	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