BOGOPHANE

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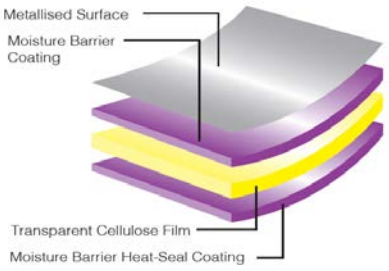
CELLOPHANE METALLIZED

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

Property	Test Basis	Test Conditions	Units	23µ
Thickness	Internal Test		micron	23.3
Yield	Internal Test		m²/kg g/m²	29.9 33.5
Permeability to: **Water vapour**	ASTM E96	38°C 90% RH	g/m².24 hrs	10
Oxygen	ASTM F 1927	23°C 50% RH	g/m².24 hrs	1.0
Optical: **Optical Density**	Internal Test			2.5
Coefficient of friction (film to film)	ASTM D 1894	Non-metallised surface		0.3
Tensile strength	ASTM D 882		MN/m² MD TD	125 70
Elongation at break	ASTM D 882		MN/m² MD TD	22 70
Elasticity modulus (1% secant)	ASTM D 882		MN/m² MD TD	≥1200 ≥600
Sealing range	Internal Test	0.5 secs 69 kN/m²	°C	115-170
Sealing range	Internal Test	135°C; 0.5 secs; 69 kN/m²	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 (¹⁴C)	90%	ASTM D6866
Biomass content (total)	87%	Bogophane calculation
Carbon footprint $kgCO_2eq/kg$ (incl.biogenic)	5.35	Peer reviewed LCA 2019 GaBi software Impact 2002+ (Global warming 500yr - midpoint)
Industrial compostability	Certified	EN13432, EN14995, AS4736 ASTM D6400 and ISO 17088
Home compostability	Certified	OK Compost Home, AS5810 & NF T 51-800
Anaerobic digestion	Approved	ISO 15985

Latest Revision: 07/06/2022

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

280 and 315 are suitable for use as a single film lamination film for packaging, while 340/365 and 440 are generally used as a single medium -sized packaging film up to large, vertical or horizontal 500 / 600xs are suitable for using Like a single packaging movie

Heavy, tearful ribbons, etc.

HEALTH & SAFETY

Material compliant with current legislation on food contacts.

Especially developed for food packaging and for meeting specific requirements on health and safety.

STORAGE

The coils must be kept in the original packaging until use.

It is recommended to maintain the material at a temperature of less than 30°C to minimize its deterioration.

Note: The treatment level can decrease over time.