BOGOPHANE

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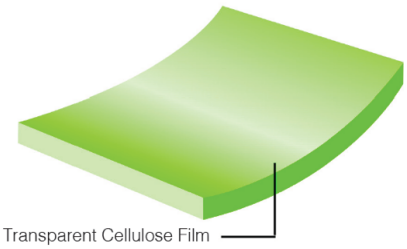
PLAIN CELLOPHANE TECHNICAL SHEET



- Based on renewable sources, the film is certified as compostable in both industrial and home composting environments and also suitable for anaerobic digestion.
- Excellent transparency and gloss, both sides of the film are equally receptive to inks and adhesives.
- Highly permeable to water vapour, it is an excellent barrier to gases and aromas.
- Inherent, anti-static properties. Excellent dead-fold characteristics.

Property	Test Basis	Test Conditions	Units	21µ	23µ	25µ	28µ	31µ	35µ	42µ
Thickness	Bogophane Test		Micron	20.8	22.6	24.3	27.8	31.3	34.7	41.7
Yield	Bogophane Test		m^2/kg g/m^2	33.3 30.0	30.8 32.5	28.6 35.0	25.0 40.0	22.2 45.0	20.0 50.0	16.7 60.0
Permeability to: Water vapour	ASTM E96	38°C 90% RH	g/m².24 hrs	Not applicable						
Oxygen	ASTM F 1927	23°C 0% RH 23°C 50% RH	cc/m².24 hrs	1.0 10						
Optical: Gloss	ASTM D 2457	45°	units	95						
Haze (wide angle)	ASTM D 1003	2.5°	%	3.0						
Coefficient of friction (out to out)	ASTM D 1894	Static Dynamic		0.50 0.30						
Tensile strength	ASTM D 882		MN/m² MD TD	125 70						
Elongation at break	ASTM D 882		% MD TD	22 70						
Elasticity modulus (1% secant)	ASTM D 882		MN/m² MD TD	≥1200 ≥600						

All properties are tested under standard laboratory conditions: 23±2ºC;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 (^{14}C)	98%	ASTM D6866
Biomass content (total)	95%	Bogophane Calculation
Carbon footprint (GHG) $kgCO_2eq/kg$ (incl.biogenic)	3.3	Bogophane Test
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

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.

Latest Revision: January 2018

MATERIAL

Transparent, non heat-sealable Compostable, this film films can be used for twist wrap, glued bags and lamination, for products where protection from moisture is not required.

CONFORMITY

Complies with EU 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 us.

HEALTH & SAFETY

For health and safety information, please refer to the N190 reference literature.

STORAGE

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

USE

Suitable for use for 6 months from the date of delivery and stocks should be used in rotation.