

ABIO 18 compostable bags manufactured with transparent film



PRODUCT DESCRIPTION:

Transparent monolayer bioplastic bag imitating polypropylene, registered as compostable according to EN 13432.

The purpose of use is to preserve products.

APPLICATIONS

Replaces polypropylene bags.
Suitable for food contact.
Suitable for Flow pack machine and manual packaging.
Shrink film.

FOOD CONTACT REGULATION

The film complies with the requirements for contact with food according to Regulation (EC) No 10/2011 (see declaration of conformity)

COMPOST

OK INDUSTRIAL COMPOST certificate issued by TUV Austria.



Disposable in organic bin or home compost.

BAGS MEASUREMENT

Consult.

PRINTING

Single-sided one-ink printing.
Compostable inks according to EN 13432 standard.

PROPERTIES

Physical	Value	Unit	Test method
Density	1.23	(gr/cm ³)	ISO 1183-1
Apparence	Transparent	-	-
OTR 23°C 0%HR Film 25 micras	740	(cm ³ /m ² día)	ASMT D3985-17
WVTR 38°C 90%HR Film 25 micras	280	(g/m ² día)	ASTM F 1249-20
Mechanical	Value	Unit	Test method
Tensile strength	66	(MPA)	ISO 527-3*
Tensile Modulus	2960	(MPA)	ISO 527-3*
Elongation at break	2.8	(%)	ISO 527-3*
Flexural Modulus	In progress	(MPA)	ISO 178
Notched impact strenght (charpy), RT	In progress	(Kj/m ²)	ISO 179/leA
Notched impact strenght (Izod), RT	In progress	(J/m)	ASTM 0256
Thermal	Value	Unit	Test method
Melting Temperature	150-165	(°C)	ISO 11357-3
Heat distortion temperatura HDT	50-60	(°C)	ASTM 0648
Melt Flow (190 °C, 2.16 kg)	4.5	(g/10 min)	ISO1133

STORAGE AND DURABILITY

This product will keep under optimum processing conditions for its "save product" function during 2 years, provided it is stored in a dry place away from sunlight, and the ambient temperature should not constantly exceed 30°C.

It is important not to expose this product to direct sunlight.

Compostable films begin to decompose rapidly when they are treated by micro-organisms, either artificially or naturally, but over time the mechanical properties degrade, so it is important to take into account the above-mentioned deadlines.