

**REFERENCE:** TBIO 155

**PRODUCT DESCRIPTION:**

Bioplastic registered as compostable in accordance with EN 13432.

**APPLICATIONS**

It can replace polypropylene and polyethylene in flow pack applications.

**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.



100% recyclable, dispose in organic bin.

**PROPERTIES**

PROPERTIES	METHOD	UNITS	VALUE
Thickness	international	microns	18
Density	ISO 1183	gr / cm3	1,38
Modulus of elasticity MD /TD	ISO 527-3	MPa	128 / 124
Tensile strength MD /TD	ISO 527-3	MPa	18 / 21
Elongation at break MD / TD	ISO 527-3	MPa	340 / 430
Tear strenght MD / TD	ISO 6383-1	N / mm	70 / 115

These are indicative values, each processor must make his own checks as the process influences the mechanical properties of the final film.

## **STORAGE AND DURABILITY**

This product will keep under optimum processing conditions for 16 - 18 months, provided it is stored in a dry place away from sunlight, and the ambient temperature should not constantly exceed 30°C.

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.

## **PROCESSING GUIDE**

The sealing temperature is between 90 and 145 degrees Celsius, this range depends on many factors such as the machine, the type of welding, the speed... etc.

It is necessary to place a teflon heat tape on the welding resistor to reduce the temperature of the cable and to prevent crystallisation of the film.

Due to the surface tension of the film, corona treatment before to printing is not necessary.

This film achieves full mechanical and permeability properties 2 - 4 days after production.