



MATER-BI

FRUIT AND VEGETABLE BAGS

**STRONG, BIODEGRADABLE
AND COMPOSTABLE**



MATER-BI

FOR FRUIT AND VEGETABLES

MATER-BI is a family of fully **biodegradable and compostable** bioplastics which use renewable resources to provide a solution with low environmental impact and to solve specific environmental problems in various sectors, such as foodservice, packaging and separate collection of organic waste.

Bags made of MATER-BI are fully biodegradable and compostable and, as such, can be reused also for the separate collection of organic waste.

Fruit and vegetable bags made of MATER-BI are in compliance with the law and are certified by bodies that guarantee their conformity to the UNI EN 13432 standard.

Some formulations of MATER-BI are also certified by Vinçotte for home compostability (with the OK Compost Home mark) in line with the Test Program ref. OK 2 edition D "Home compostability of products".



Fruit and vegetable bag made of transparent MATER-BI

Fruit and vegetable bag made of traditional MATER-BI

MORE "BIOBASED" WITH THE 4TH GENERATION

MATER-BI is in its 4th generation formulation, with a higher content of raw materials from renewable sources, as an alternative to fossil resources, and with increasingly high-performance mechanical properties.

STRONG, VERSATILE AND COMPOSTABLE

Fruit and vegetables bags made of fourth generation MATER-BI are lightweight and strong. They can have a traditional look, i.e. milky white, or transparent and are available in several formats, T-shirt or open mouth.

THE GUARANTEE OF A BRAND

MATER-BI is part of a virtuous production system, undertaken entirely in Italy. It creates a production chain that involves everyone, from the farmer to the composter, from the converter to the retailer.

	Density ASTM D792	Recommended thicknesses	Max load at break ASTM D882	MD eTD* ASTM D1992	Industrial compostability	Home compostability
Transparent FV271 MATER-BI	1.27 g/cm ³	10÷12 µm	28 MPa	1.4 / 0.9 N	X	
Transparent FV248 MATER-BI	1.26 g/cm ³	10÷12 µm	30 MPa	1.6 / 2.2 N	X	X**
Traditional MATER-BI	1.29 g/cm ³	10÷12 µm	37 MPa	1.3 / 2.8 N	X	X

* Tear strength (Elmendorf)

** Undergoing certification

Each fruit and vegetable bag contains a high level of innovation and research, six interconnected sites, investments and new jobs. This is the 4th generation MATER-BI.

MATER-BI is certified as biodegradable and compostable. If disposed of in the wet waste fraction, it is converted into fertile, useful compost. www.materbi.com

