MATER-BI

FRUIT AND VEGETABLE BAGS

STRONG, BIODEGRADABLE AND COMPOSTABLE

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 the separate collection of organic waste.

MATER-BI

FOR FRUIT AND VEGETABLES

Bags made of MATER-BI are fully biodegradable and compostable and, as such, can be reused for the separate collection of organic waste such as food scraps which typically have a high water content.
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.
All formulations of MATER-BI are also certified by TÜV Austria for home compostability (with the OK Compost Home mark) in line with the Test Program ref. OK 2 edition D "Home compostability of products".

NOVAMONT
www.novamont.com

MATER-BI

BIODEGRADABLE AND COMPOSTABLE BIOPLASTIC

THE ORIGINAL

CONTROLLED, INNOVATIVE, GUARANTEED

Fruit and vegetable bag made of transparent MATER-BI

Fruit and vegetable bag made of milky white MATER-BI

BIO-BASED MATERIALS

The grades of MATER-BI used in Novamont's fruit and vegetable line have been developed with a variable content of bio-based materials, to meet the various requirements of the reference markets:

- RRM* grades <40% for markets without a minimum legal amount
- RRM* grades >50% as required by Italian, French and Austrian laws as from 2020.

Novamont already has RRM* grades >60% (mandatory in Italy as from 2021).

STRONG, VERSATILE AND COMPOSTABLE

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

THE GUARANTEE OF A BRAND

MATER-BI guarantees a virtuous production system, undertaken entirely in Italy, creating a production chain that involves everyone, from the farmer to the composter, from the converter to the retailer.

* RRM (renewable raw material)

	Density ASTM D792	Recommended thicknesses	Max load at break ASTM D882	MD and TD* ASTM D1992	Industrial compostability	Home compostability
Transparent MATER-BI	1,27 g/cm^3	10÷12 µm	28 MPa	1,4 / 0,9 N	X	
Milky white MATER-BI	1,26 g/cm^3	10÷12 µm	30 MPa	1,6 / 2,2 N	X	X
Semi-transparent MATER-BI	1,27 g/cm^3	10÷12 µm	40 MPa	0,8 / 1,9 N	X	X
Milky white MATER-BI	1,29 g/cm^3	10÷12 µm	37 MPa	1,3 / 2,8 N	X	X

* Tear strength (Elmendorf)

Each fruit and vegetable bag incorporates 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

Printed on recycled paper FSC® certified, which identifies products containing wood from forests managed correctly and responsibly according to strict environmental, social and economic standards.

FSC www.fsc.org MISTO Carta da fonti gestite in maniera responsabile FSC® C112188

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R_09_2019