



**MATER-BI**

# MATER-BI FOR SHOPPING

BIODEGRADABLE AND COMPOSTABLE  
CARRYING SOLUTIONS



## MATER-BI FOR SHOPPING

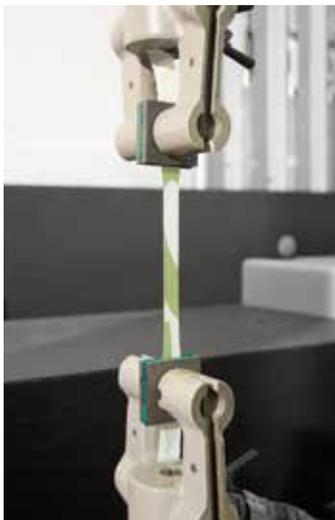
MATER-BI is a family of fully **biodegradable and compostable** bioplastics which use renewable resources to provide a solution with low environmental impact and to solve specific environmental problems in various sectors, such as foodservice, packaging, retail and separate collection of organic waste.

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

Carrier 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.

# THE ORIGINAL

CONTROLLED, INNOVATIVE, GUARANTEED



Resistance test of MATER-BI film



Jogging test in the NOVAMONT lab.



Film coating MATER-BI



Bag made of MATER-BI

## QUALITY FIRST

MATER-BI has a minimum bio-based content of at least 30%. An ever-increasing percentage of bio-based products is achieved through cutting-edge research and technological innovation, while technical and functional performance, such as tear resistance and the toughness of the material, are increased at the same time.

## THE GUARANTEE OF AN ITALIAN PRODUCT

The constant research on MATER-BI, through the integration between chemistry and agriculture, the redevelopment of abandoned industrial sites and the use of outlying agricultural land not in competition with food production, has led to the establishment of a biorefinery in Italy which uses bio-based raw materials to produce a bioplastic of the highest quality from a controlled, traceable supply chain.

## ENVIRONMENT FIRST

When it comes to the environment, MATER-BI has some exceptional properties. With a constantly increasing content of bio-based raw materials, MATER-BI offers a full range of materials with reduced environmental impact. The HF05S2 grade also boasts the Kyoto Club elabel!, an environmental multi-label, issued after analysis by Certiquality.

All MATER-BI grades are certified biodegradable and compostable in accordance with the EN13432 standard. The HF05S2 grade is also certified for home compostability for thicknesses up to 22µm. MATER-BI shopping bags are ideal for the collection of food scraps and are converted into fertile, useful compost at the end of their lifespan.

	Density g/cm <sup>3</sup>	Colour	Breaking load * MPa ASTM D882	Tear resistance* (Elmendorf) N ASTM D1922	Perforation resistance mJ ASTM 3420
HF05S2 RRM> 50% E-LABEL	1,27	white	29	MD 6,5 TD 4	1,3
EF05BI RRM>40%	1,28	milky-white	28	MD 4 TD 3	1,1
EF05B RRM~30%	1,28	milky-white	28	MD 4 TD 3	1,1

\*Breaking load and tear resistance measured on 23µm thick film

MATER-BI is certified as biodegradable and compostable. If disposed of in the food scraps fraction, it is converted into fertile, useful compost. [www.materbi.com](http://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 standard.

