

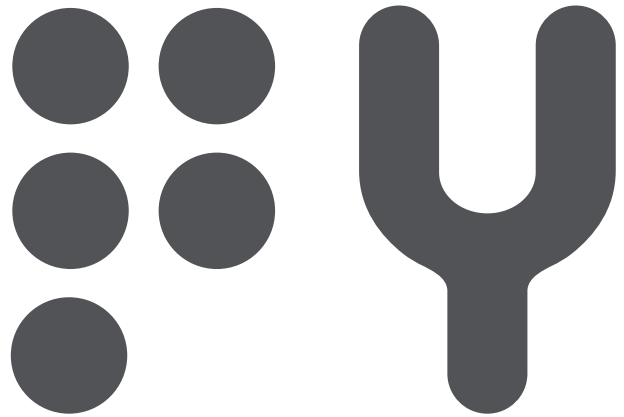


POLYCART

Product Catalogue



**Packaging
that feeds
the Earth**



Polycart Spa produces and prints biodegradable, compostable, **biomade** and conventional films in various thicknesses and sizes for extruded and co-extruded food-grade flexible packaging. Advanced production technologies make it possible to obtain products that are easily adaptable to specific needs, with different colours and varying degrees of slideability, sealability and mechanical strength for each layer.

Polycart has always believed in the bioplastics sector and today, through investments in machinery and people, it continues with even greater commitment to improve the quality of its products and increase customer satisfaction.

Polycart produces **Biomade compostable** films and packaging that contribute to safeguarding the environment. The company implements an eco-friendly production cycle by using compostable and partly **bio-based** raw materials.

It adopts the principles of **green chemistry** and **circular economy** by using processes with a low environmental impact, as an act of responsibility towards future generations. Today, Polycart has more than 50 employees, 2 production plants (Palazzo di Assisi and Ospedalicchio di Bastia Umbra) and over 10,000m² of production space.

Research & Development

Polycart constantly invest in research in order to achieve the goals that have allowed it to grow and bring innovation to the sector.

Believing in this business unit has allowed the company to be among the first to study **Mater-Bi®** converting processes and part of a network of companies that regularly benefits from the expertise of the University of Perugia.

Polycart's R&D department not only aims to stimulate the development of products and processes, but also to study solutions that respect and protect the environment in which we live. Our products are always supplied with marks certifying that they are compostable and only issued after careful checks by third-party laboratories.

COMPOSTLABEL®

One of the achievements of the R&D department is Compost Label®, the new family of certified biodegradable and compostable adhesive products in accordance with UNI EN 13432.

This innovative range of products contributes to solving the problem of creating and disposing of multi-material labels and packaging by fully embracing the philosophy of life cycle management while guaranteeing the same performance as traditional products.

BIOMADE®

Biomade flexible packaging series opens up new frontiers for biodegradable and compostable materials as it explores innovative solutions with regard to packaging and communication. This innovative range of products contributes to the protection of the environment and the consumer's health.



biomade

CompostLabel®



Films

Compostable film for food packaging

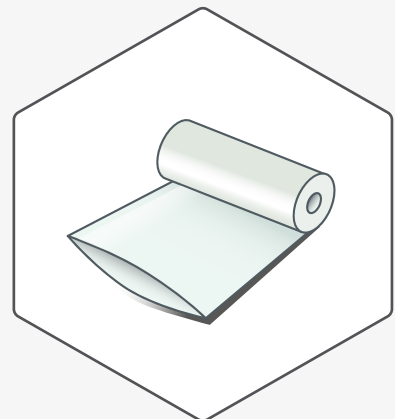
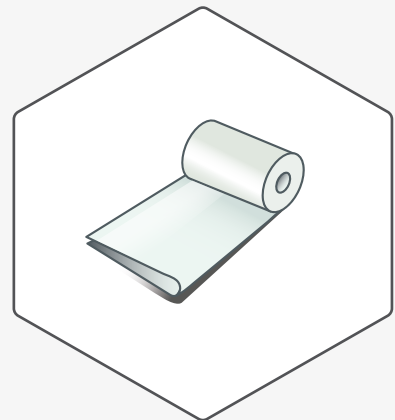
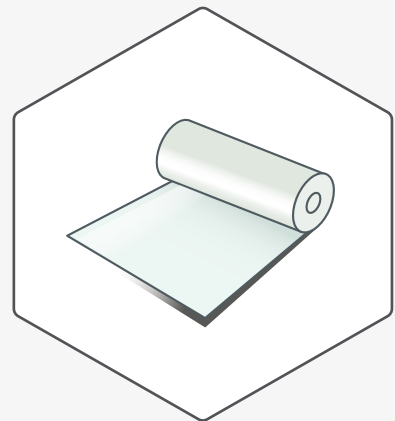
Our films are made of 100% **Mater-Bi** with manufacturing licence “LIC 006” and certified “OK Compost” according to the European standard UNI EN 13432.

The bio-based content increases and varies according to the type of product.

The films can be developed externally and internally in a way that increases the sealability of the product and guarantees superior mechanical performance.

Suitable for direct contact with all foodstuffs under conditions ranging from freezing to room temperature.

Special projects and applications can be examined with customers to find the most suitable compostable packaging solution.



Mater-Bi® films for industrial packaging

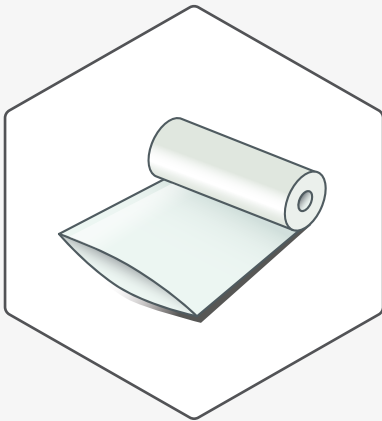
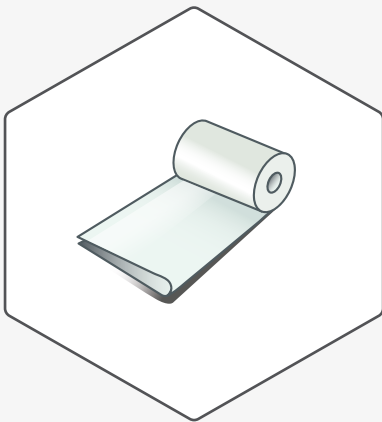
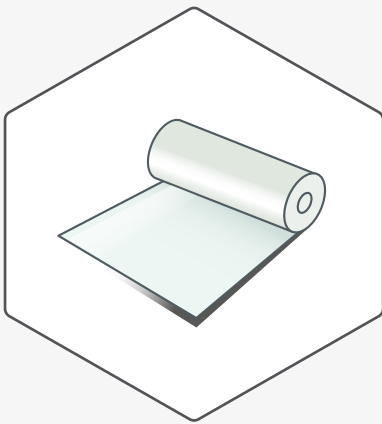
Our films are made of 100% Mater-Bi with manufacturing licence “LIC 006” and certified “OK Compost” according to the European standard UNI EN 13432.

The bio-based content increases and varies according to the type of product.

The films can be developed externally and internally in a way that increases the sealability of the product and guarantees superior mechanical performance.

Available in a wide range of thicknesses and formats.

These films can be modified with additives according to customer requirements.

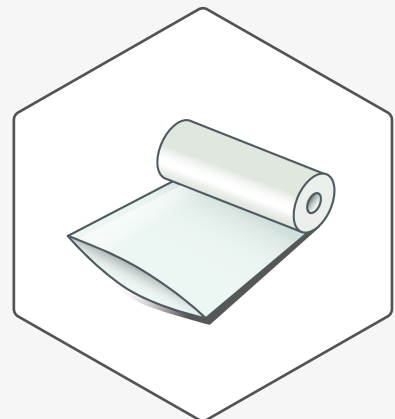
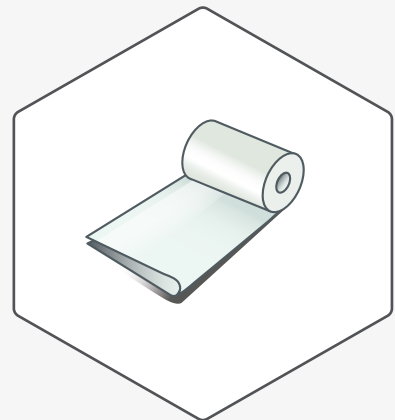
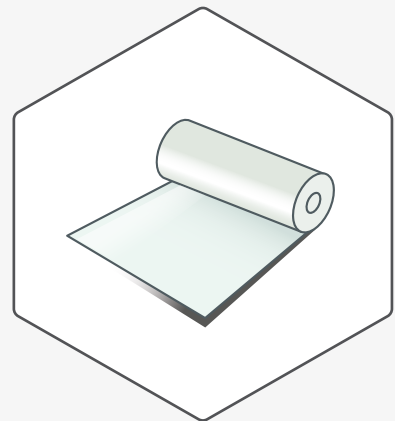


Compostable films for lamination onto paper (7 my)

All our films are made of 100% **Mater-Bi** with manufacturing licence “LIC 006” and certified “OK Compost” according to the European standard UNI EN 13432. The bio-based content increases and varies according to the type of product.

In addition to being suitable for food contact in conditions ranging from freezing to room temperature, this product also offers a high degree of transparency.

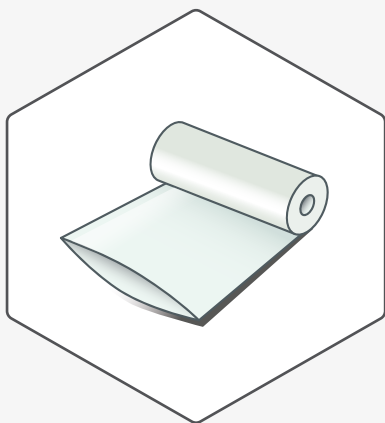
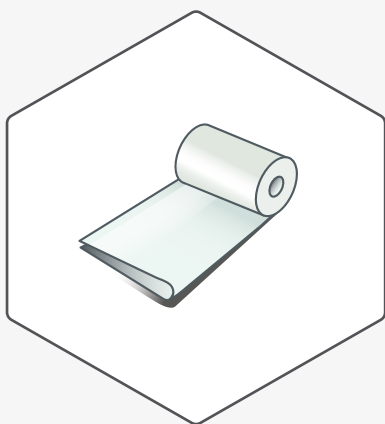
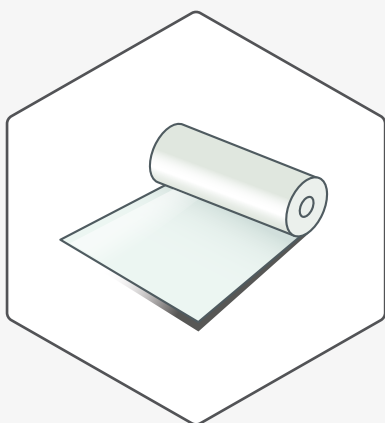
Shelf-life studies carried out in-house show that the performance of products laminated with this type of film is comparable to that of classic paper laminated with PE.



HDPE films for lamination onto paper (6 my)

Made from premium virgin materials.

Suitable for direct contact with all foodstuffs under conditions ranging from freezing to room temperature.



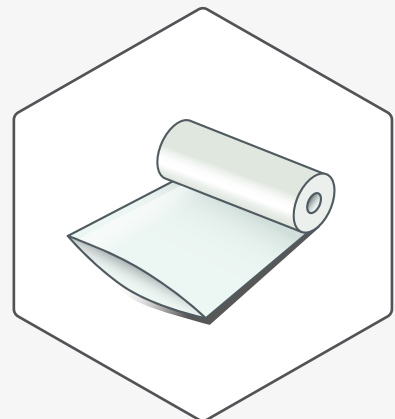
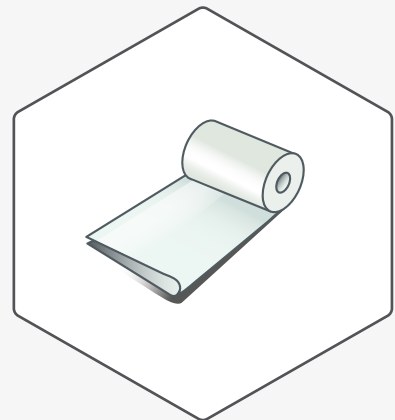
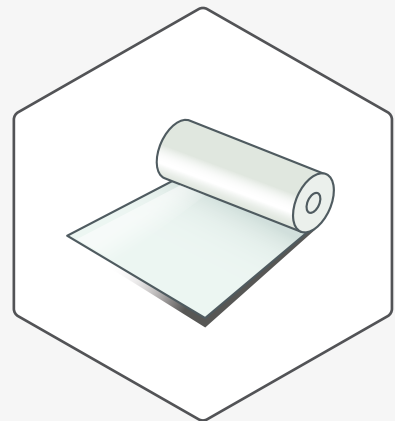
Compostable films for personal care

Our films are made of 100% **Mater-Bi** with manufacturing licence “LIC 006” and certified “OK Compost” according to the European standard UNI EN 13432.

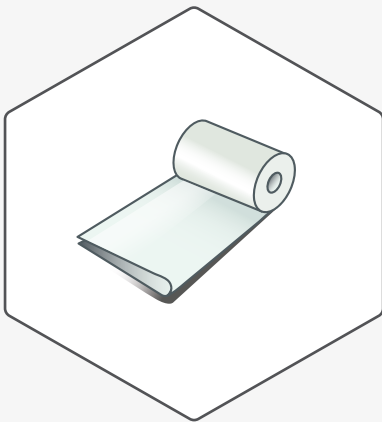
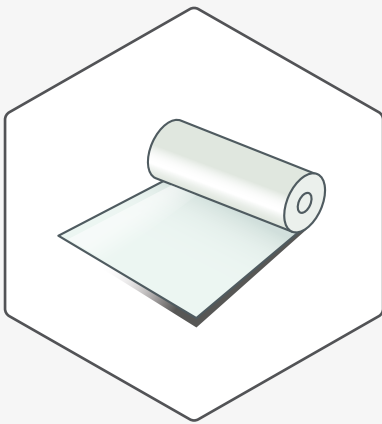
The bio-based content increases and varies according to the type of product.

The films can be developed externally and internally in such a way that increases the sealability of the product and guarantees superior mechanical performance.

The anti-allergenic materials used are extensively tested in our technical office, which is able to support the customer in all matters related to specific regulatory requirements.



Mater-Bi® films for magazine packaging



Our films are made of 100% **Mater-Bi** with manufacturing licence “LIC 006” and certified “OK Compost” according to the European standard UNI EN 13432.

The bio-based content increases and varies according to the type of product.

Its excellent sealing properties and transparency make it an ideal and sustainable replacement for common PE/PP film.



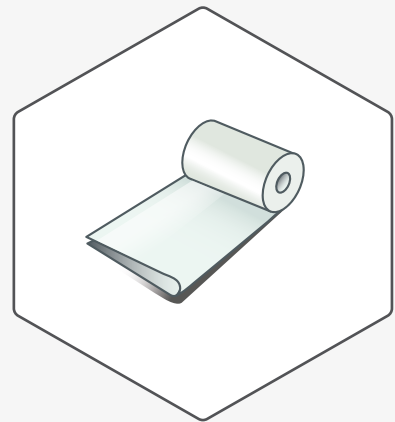
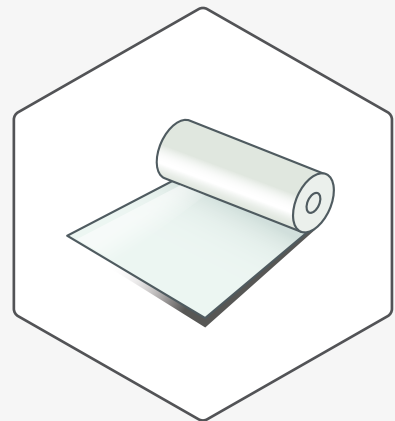
Highly transparent compostable films for packaging of cosmetics

Our films are made of 100% **Mater-Bi** with manufacturing licence “LIC 006” and certified “OK Compost” according to the European standard UNI EN 13432.

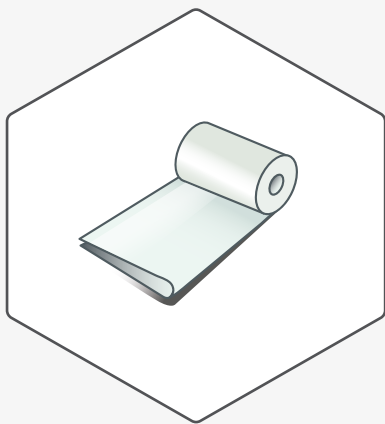
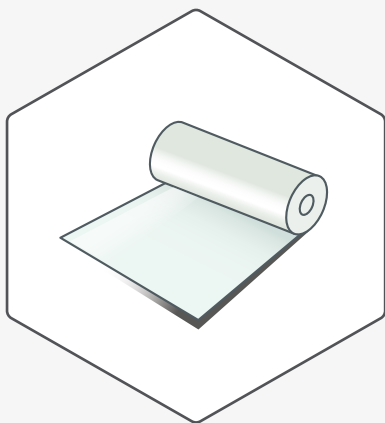
The bio-based content increases and varies according to the type of product.

The films can be processed externally and internally in order to increase the sealability of the product and guarantee superior mechanical performance.

Characterised by rigidity, high transparency and excellent sealability with a low-melting inner layer.



Compostable PE films for garbage bags



Our films are made of 100% **Mater-Bi** with manufacturing licence “LIC 006” and certified “OK Compost” according to the European standard UNI EN 13432.

Characterised by excellent sealability and high mechanical properties.



Mater-Bi® films for biodegradable mulch

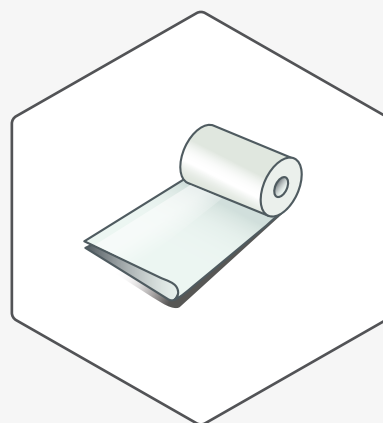
Our films are made of 100% **Mater-Bi** with manufacturing licence “LIC 006” and certified “OK Compost” according to the European standard UNI EN 13432.

Made from raw materials with “OK Compost” and “OK biodegradable SOIL” certification.

Characterised by excellent mechanical properties, which are essential to ensure an optimal performance and a tear-free application.

It can be produced with a central or offset hole in a variety of formats and is suitable for both automated and manual applications.

The recommended film thickness is 15 microns and up to 12 microns for faster crops.



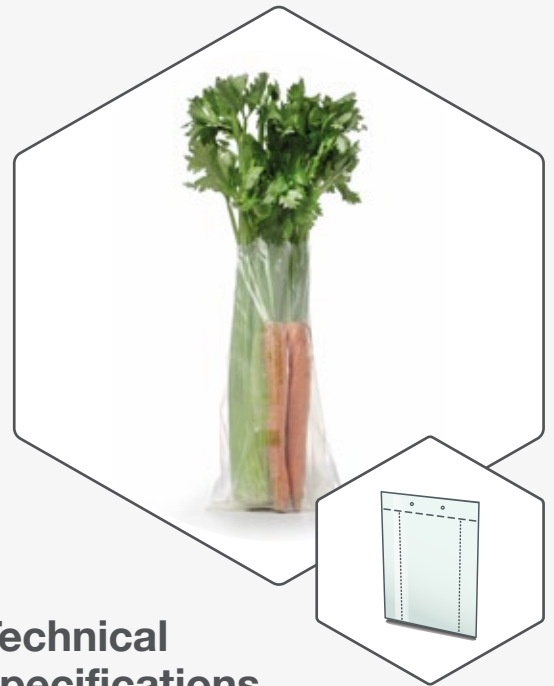
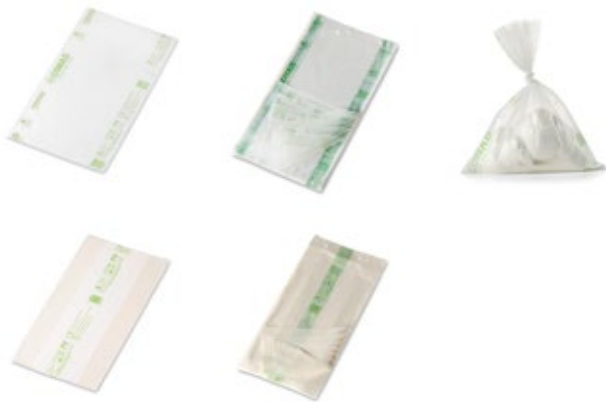


Packaging

Mater-Bi® food-grade poly bags bundled in blocks

Our films are made of 100% **Mater-Bi** with manufacturing licence "LIC 006" and certified "OK Compost HOME" according to the European standard UNI EN 13432.

The renewable raw material content is above 60%, determined according to UNI CEN/TS 16640.



Technical specifications

HIGH-TRANSPARENCY (HT) POLY BAGS BUNDLED IN BLOCKS

Compostable Mater-Bi liners bundled in blocks (high transparency)
One-colour continuous printing
"suitable for food contact + OK Compost"

mm 250×450+30 my 28	Boxes of 1.200 pcs
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mm 250×550+30 my 28	Boxes of 1.000 pcs
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Mater-Bi bags bundled in blocks FV276
Compostable and highly transparent open-mouth Mater-Bi bags
bundled in blocks, one continuous tone printing
"suitable for food contact + OK Compost"

mm 170+40+40×350+30 my 14

mm 200+50+50×400+30 my 14

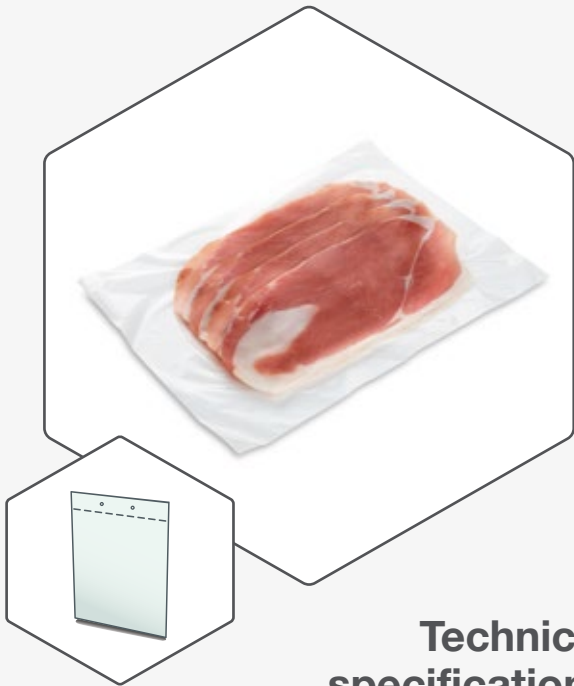
mm 250+50+50×500+30 my 14



Food-grade sheets bundled in blocks

Our films are made of 100% **Mater-Bi** with manufacturing licence “LIC 006” and certified Certified “OK Compost HOME” according to the European standard UNI EN 13432.

The renewable raw material content is above 60%, determined according to UNI CEN/TS 16640.



Technical specifications

HIGH-TRANSPARENCY (HT) SHEETS BUNDLED IN BLOCKS

Compostable Mater-Bi sheets bundled in blocks (high transparency)
One-colour continuous printing
“suitable for food contact + OK Compost”

mm 180×250+30 my 17 - gr. 1,1	Boxes of 4.800 pcs
mm 250×370+30 my 17 - gr. 2,1	Boxes of 2.400 pcs
mm 370×500+30 my 17 - gr. 4,1	Boxes of 1.200 pcs



Bio Kids biodegradable generic Mater-Bi® shopping bags

Our films are made of 100% **Mater-Bi** with manufacturing licence "LIC 006" and certified Certified "OK Compost HOME" according to the European standard UNI EN 13432.

All our compostable shopping bags have been certified as High-Performance Bags by the CSI according to UNI 11415.

All bag sizes can be produced with or without bundling tab.



Technical specifications

BIOMADE BIODEGRADABLE "LIGHT" SHOPPING BAGS
Compostable Mater-Bi liners bundled in blocks (high transparency)
One-colour continuous printing
"suitable for food contact + OK Compost"

"Biomade" shopping bag made of white Mater-Bi and one-colour printed, 220+70+70 x 400 mm, 14 my (approx. 4.5 g)	Boxes of 500 pcs
"Bio Kids" shopping bag with bundling tab made of white Mater-Bi and one-colour printed, 270+75+75 x 500 mm, 14 my (approx. 6.5 g)	Boxes of 500 pcs
"Bio Kids" shopping bag with bundling tab made of white Mater-Bi and one-colour printed, 300+90+90 x 600 mm, 20 my (approx. 13 g)	Boxes of 500 pcs

BIOMADE BIODEGRADABLE "LIGHT" SHOPPING BAGS

"Biomade" shopping bag made of white Mater-Bi and one-colour printed, 230+70+70 x 400 mm, 18 my (approx. 6 g)	Boxes of 500 or 1000 pcs
"Bio Kids" shopping bag made of white Mater-Bi and one-colour printed, 270+75+75 x 500 mm, 21 my (approx. 10 g)	Boxes of 500 pcs
"Bio Kids" shopping bag made of white Mater-Bi and one-colour printed, 300+90+90 x 550 mm, 22 my (approx. 13 g)	Boxes of 500 pcs
"Bio Kids" shopping bag made of white Mater-Bi and one-colour printed, 300+90+90 x 600 mm, 22 my (approx. 14.5 g)	Boxes of 500 pcs
"Bio Kids" shopping bag made of white Mater-Bi and one-colour printed, 320+105+105 x 650 mm, 24 my (approx. 19 g)	Boxes of 500 pcs

BIODEGRADABLE SHOPPING BAGS IN REGENERATED GREEN

"Bio Kids" shopping bag with bundling tab made of Mater-Bi and one-colour printed, 230+70+70 x 450 mm, 22 my (approx. 8.5 g)	3 kg boxes
"Bio Kids" shopping bag with bundling tab made of Mater-Bi and one-colour printed, 270+75+75 x 550 mm, 22 my (approx. 10.5 g)	4 kg boxes
"Bio Kids" shopping bag with bundling tab made of Mater-Bi and one-colour printed, 300+90+90 x 550 mm, 25 my (approx. 15 g)	4 kg boxes
"Bio Kids" shopping bag with bundling tab made of Mater-Bi and one-colour printed, 300+90+90 x 600 mm, 25 my (approx. 16.5 g)	4 kg boxes
"Bio Kids" shopping bag with bundling tab made of Mater-Bi and one-colour printed, 340+105+105 x 650 mm, 25 my (approx. 20.5 g)	6 kg boxes



Mater-Bi® shopping bags customised for the large-scale retail channel

Our films are made of 100% **Mater-Bi** with manufacturing licence "LIC 006" and certified Certified "OK Compost HOME" according to the European standard UNI EN 13432.

All our compostable shopping bags have been certified as High-Performance Bags by the CSI according to UNI 11415.

We offer customised printing in order to meet a wide range of customer requirements.



Reusable Mater-Bi® shopping bags

Our films are made of 100% **Mater-Bi** with manufacturing licence "LIC 006" and certified "OK Compost HOME" according to the European standard UNI EN 13432.

All our compostable shopping bags have been certified as High-Performance Bags by the CSI according to UNI 11415.

We are able to produce shopping bags in increased thicknesses in order to enhance the mechanical properties of the product.





Technical specifications

COMPOSTABLE POLY BAGS AND SHOPPING BAGS FOR FRUIT AND VEGETABLES ON A ROLL (FV276)

Compostable Mater-Bi shopping bags on a roll (FV276; high transparency)
One-colour continuous printing
"suitable for food contact + OK Compost"

mm 220+75+75×500 - my 11	Boxes of 6 rotoli – Rolls of 200 pz
mm 220+75+75×500 - my 12	Boxes of 6 rotoli – Rolls of 200 pz
mm 220+75+75×600 - my 12	Boxes of 6 rotoli – Rolls of 200 pz
mm 300+100+100×600 - my 14	Boxes of 6 rotoli – Rolls of 150 pz

Compostable open-mouth Mater-Bi liners on a roll (FV276; high transparency)
One-colour continuous printing
"suitable for food contact + OK Compost"

mm 350×500 - my 11	Boxes of 6 rotoli – Rolls of 300 pz
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Ok Compost and Ok Compost Home Fruit and vegetable poly bags and T-shirt bags on a roll

Our films are made of 100% **Mater-Bi** with manufacturing licence "LIC 006" and certified "OK Compost HOME" according to the European standard UNI EN 13432.

The renewable raw material content is above 60%, determined according to UNI CEN/TS 16640.



Compostable bags for separate waste collection

Our films are made of 100% **Mater-Bi** with manufacturing licence "LIC 006" and certified "OK Compost HOME" according to the European standard UNI EN 13432.



Technical Specifications

White Mater-Bi liners on a roll - neutral, with star-bottom seal
mm 500×600 my 16
Roll of 25 pcs. - Box of 24 rolls - Total of 600 pcs

White Mater-Bi liners on a roll - neutral, C-fold
mm 700×700 my 20
Roll of 20 pcs. - Box of 15 rolls - Total of 300 pcs

White Mater-Bi liners on a roll - neutral, C-fold
mm 700×1100 my 20
Roll of 20 pcs. - Box of 10 rolls - Total of 200 pcs

White Mater-Bi liners on a roll - neutral, C-fold
mm 800×1200 my 23
Roll of 10 pcs. - Box of 15 rolls - Total of 150 pcs

White Mater-Bi liners - Neutral
mm 950×1200 my 23
Bundle of 10 pcs - Box of 15 bundles - Total of 150 pcs



Compost Label® compostable adhesive labels

Compost label is the new range of adhesive products that are fully biodegradable and compostable according to EN 13432.

This product line aims to solve the problem of label creation and disposal, fully embracing the philosophy of life cycle management and eco-sustainability, while ensuring the same performance as traditional products.

The project has been developed, tested and implemented by Polycart S.p.A., a manufacturer of plastic and compostable films, in collaboration with GPT Srl, a network of 21 companies working in the communication, printing and packaging sector, of which Polycart is a member.

The basic idea is to unlock new potential for plastics by exploring innovative communication solutions and cutting-edge packaging solutions in biodegradable and compostable materials. These solutions have made it possible to create new products that contribute to the protection of the environment and the consumer's health.



“Biomade” compostable food-grade laminated paper

The only fully compostable food packaging system suitable for food contact disposal Disposal.

Products with compostable “CompostLabel” labels can be fully disposed of in wet waste, as all components, such as paper, film, inks and the “CompostLabel” adhesive label (whether direct thermal or thermal transfer), are “OK Compost” certified.



Technical Specifications

Compostable “Biomade” laminated paper,
white - Kraft paper, 35 g, “Biomade” continuous printing

mm 250*370	10 kg boxes
mm 370*500	10 kg boxes
mm 500*750	10 kg boxes

Compostable “Biomade” laminated paper,
natural – Bagasse paper, 70 g

mm 250*370	10 kg boxes
mm 370*500	10 kg boxes
mm 500*750	10 kg boxes





POLYCART

Certifications

Our commitment is documented and certified by independent control bodies. These regulatory schemes to which we adhere on a voluntary basis, and which involve both our management system and our products, are seen in Polycart as essential to ensure the reliability and transparency, which our customers have praised us about for years.

System Certification

The Quality Management System adopted at Polycart is a comprehensive management tool including aspects of Food Safety Management (UNI EN ISO 22000:2005), Environmental Management (ISO 14001:2015) and Safety (ISO 18001:2007).

Food safety

All our packaging intended for food contact, both films and finished products, are manufactured and controlled using processes in compliance with EU REG 10/2011, EC REG 1935/2004 and the Italian Ministerial Decree no. 34 of 21/03/73.

OK COMPOST

Being committed to the environment at Polycart means guaranteeing the biodegradability of the products we sell as well as participating in controls on the composition of raw materials to make sure that each of our products has no phytotoxic effects. In short: certification of compostability according to UNI EN 13432, licence code S267 for the production of

Shopping bags and liners for the collection of biodegradable waste / Films, foils and sheets / CompostLabel (labels) / Bubble wrap (flexible packaging)

HIGH PERFORMANCE BAG (CSI HPB140002 and HPB140003 licences)

The effectiveness of the control schemes adopted at Polycart in order to guarantee the performance of our products is certified according to the UNI 8055 and UNI 11415 standards. Our products are high performing, whether they are compostable shopping bags or fruit and vegetable bags suitable for food contact.

CARBON FOOT PRINT

The carbon footprint left by our products is certified by Certiquality and the Italian Ministry of the Environment because it meets the requirements of ISO/TS 14067. Biodegradable and compostable shopping bag, CFP-ER 013 – A03 of 20 January 2014; CompostLabel, CFP-ER013 – A02 of 28 January 2014.

PLASTIC & BIOPLASTIC BYPRODUCT (CSI SPP160049 licence)

The certification proves compliance with the UNI 10667-1:1998 standard, which classifies secondary raw materials obtained from recovered plastics and bioplastics as by-products. The inspections of the production process necessary to obtain this important environmental certification have always shown that “Polycart’s procedures involve an excellent traceability system for the flows of off-spec materials intended for reuse and characterised by a high product quality” (2016 Report, CSI Auditor).



Y POLYCARD

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polycart.eu