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D-COMP



Our goal is to promote compostable and bio based products, to reduce the plastic waste in the environment and to diminish the use of fossil oil derivatives.

## OUR PRODUCTS

T-shirt and die-cut handle bags

Garbage bags

Fruit and vegetable bags

Paper bags

Tableware and cutlery

Coffee and individual creamer pods

Clear clam shells and trays

Shrink films

Mesh nets



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## T-shirt and die-cut handle bags



T-shirts bags can be manufactured with customized prints, in different thicknesses and sizes.

Die-cut handle bags can be manufactured with or without gussets on the bottom and sides, with or without flaps at the handle, in block notes and with customized positioned prints on one or both sides.



## Garbage bags



Standard sizes range from 7 to 240 litres (widths from 14,64" to 49,2" (370 mm up to 1250 mm), lengths from 15,4" to 57" (390 mm to 1450 mm) with continuous prints of user logo/instructions. Bags can be produced in different customized thicknesses and sizes. The bags are packed in rolls, with a paper band, and packs, with or without a protective sleeve.

The paper band and the protective sleeve can be personalized with the customer's brand.



## Fruit and vegetable bags



Innovative materials for thinner bags packed in rolls with or without cardboard core.

The choice is between t-shirts bags and standard bags.

The products are safe for food and are for fruits and vegetables. They can be manufactured in different thicknesses in the range of 0,4-0,5 mill (11-12 micron) and different sizes.

The standard size for T-Shirt bags is 9+2,5+2,5x19,7" (220+60+60x500 mm).

The standard size for standard bags is 11,8x19,7" (300x500 mm).



## Paper bags



We have solutions for any application, unprinted or custom prints: Tuttafinestra (full clear surface), White kraft, Brown, Greaseproof and Chicken all with PLA film transparent window that de-composes. Safe uses include: Greaseproof, Pergamyn, Chicken / Ham / Kebab / Sandwich Paper bags, Baking, Pergorease and Absorbing yellow paper for food.



## Tableware and cutlery



Customized solutions for plates, and cutlery for hot meals, manufactured with biodegradable and compostable raw material from corn starch. These plates and utensils are suitable for hot or cold food.



## Coffee and individual creamer pods



Tailored pods solutions for standard needle drink technologies with personalized designs suitable for different beverage, this includes drinks like coffee, hot chocolate, tea, infusions and solubles. Customized solution for creamer pods.



## Clear clam shells and trays



PLA (polylactic acid) clear cups, bowls, trays, without lids or clam shells solutions with size and thickness according to any requests. These containers are for refrigerated and/or dry goods.



## Shrink films



Customized solutions to meet all shrink wrapping applications, with a decomposable film having similar properties than polyolefins. The range is from lightweight (0.4 mill, 10 micron) to heavy-duty applications (1.6-2.4 mill, 40-60 micron) the shrink film can be used to overwrap many types of packaging, cartons, boxes and pallets It can be used also as packaging shrink film for soft drinks, alcoholic drinks, milk multipacks, and for solid vegetables and foodstuff.



## Mesh nets



Elastic diamond-shaped nets for packaging of fruits and vegetables that decompose.

The net is diamond shaped The standard product has the diameter range between 8" to 12" (20 to 30 cm).

The weight of the net is 0.28 ounces/ meter (8 g/m).

The weight of each reel is about 185 lbs (84 kg).



## We propose biodegradable/compostable and biobased products.

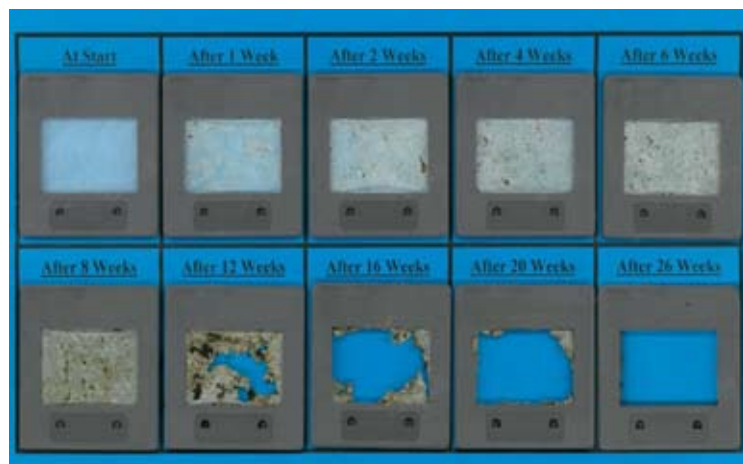
### Biodegradable and compostable products have two main advantages:

1. They reduce the plastic waste in the environment and
2. Diminish the use of fossil oil derivatives.

The **compostability of the materials** are according to EN 13432 / ASTM D6400.

The **raw materials** used are corn-starch based.

Provided below is a representation of the degradation of film. This is only a representation and does not apply to all materials. Degradation timeline varies based on the requirements and limitations specified by the usages and customer standards.



### ASTM D6400

Standard Specification for Compostable Plastics ASTM International is a well-known standardization body, especially in US. The ASTM D6400 standard is important historically because it was the first standard to specify the requirements for plastics and plastic-made products to be composted in aerobic composting facilities at municipal and industrial level. The standard determines whether the plastics concerned compost satisfactorily and if they biodegrade at a rate comparable with that of known compostable materials.

The test approach of ASTM D6400 is similar to that of EN 13432.

**Bio-based products** are made entirely or partially from renewable resources.

Social benefits of biobased products are:

1. fewer greenhouse gases production,
2. less energy requirements,
3. production of fewer toxic pollutants over their lifecycle than products made from fossil fuels.

The transition from a petroleum-based to a biobased economy also provides lower impacts on the environment and health.

Existing certification of bio-based content refers to bio-based carbon and is based on the standard ASTM 6866 “Standard Test Methods for Determining the Biobased Content of Solid, Liquid, and Gaseous Samples Using Radiocarbon Analysis”.

The combination of **BIODEGRADABLE / COMPOSTABLE** characteristic and **BIO-BASED** content, in addition to the above described advantages reduce the waste streams to already crowded landfills or to incinerators.

A black and white photograph of a pregnant woman's belly. Two hands are gently holding the belly from the top and bottom. The text "THE FUTURE IS IN YOUR HANDS" is written across the belly in a white, hand-drawn font. The background is dark, and the lighting highlights the contours of the hands and the belly.

THE FUTURE  
IS IN YOUR HANDS

We wish to protect your future



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