

Sustainability starts from your concrete choices



Sustainable development and circular economy

It is now essential to think in terms of the Green Economy following a sustainable development model that takes into account the environmental impact resulting from industrial progress. The goal is the circular economy model, a development model chosen in 2015 by the European Commission following the World Economic Forum in Davos in 2014.

The Vision of GERBALDO POLIMERI, a company committed since 1985 in the recycling of plastics, identifies the prospect and future of the plastics market in sustainability.

Through innovation and R&D activities, GERBALDO POLIMERI developed the GECO line, powder products dedicated to rotational molding, a true innovation for the production of durable goods with a view to sustainability.

Geco project

The project was born from the partnership of two companies, ECOPLASTEAM and GERBALDO POLIMERI.

The idea of creating innovative high-tech rotational molding products using post-consumer recycled plastic took shape.

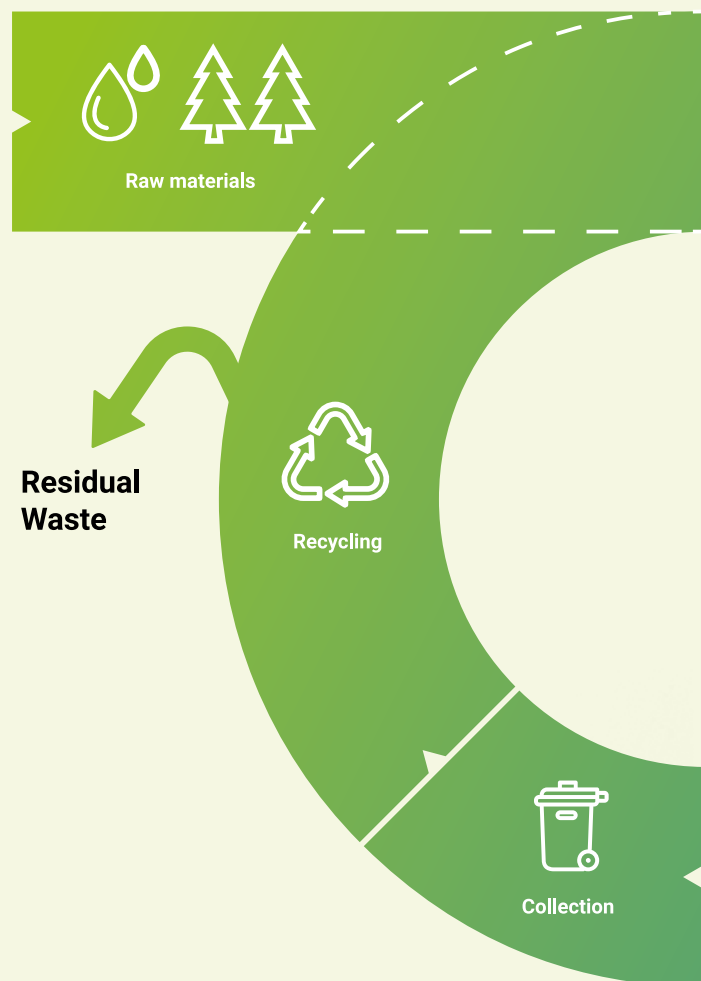
The competitive advantage is in the use of a new recycled material that is always constant and highly available, capable of guaranteeing consistency in processability and high production volumes.

Geco products

GECO are unique products, deriving from an exclusive technology able to meet the needs of the rotational molding market, that is increasingly aimed at sustainability.

All GECO products are characterized by a green mottled colour as the gecko animal, representing a nature-friendly line that maximizes sustainability through recycling, decreasing the use of fossil bases and infinite recyclability.

Moreover, the products have mechanical characteristics that allow the production of different objects.



The strenghts of Geco products

A green line

Why the GECO brand? Because the natural color of EcoAllene® based products recalls the green colour of the gecko animal, a characteristic mottled green - unique in its appearance - because it is a nature-friendly line that maximizes sustainability through recycling, decreasing the use of fossil bases and infinite recyclability.

Processability

GECO overcomes the main problem of the lack of consistency over time in the supply of products containing recycled plastics. GECO - EcoAllene® based - is able to satisfy any customer project, involving high production volumes over time, thanks to its high standardization and certification. Both the production of EcoAllene® and GECO are strictly subject to the ISO 9001/2000 quality standard in their respective production plants; this guarantees an high processability and high volumes available of GECO products. In this way important projects in the rotational molding sector can be realized, which were previously impossible with plastic second life. GECO: guaranteed quality for an high processability.





Plastic second life certification

- The "PSV" brand (Plastic second life) is an environmental product certification system dedicated to materials and manufactured articles obtained from the enhancement of plastic waste; It is the first Italian and European brand dedicated to recycled plastic, introducing the concept of "quality" in recycled plastics.
- Introduces the concept of "traceability" of recycled materials;
- It refers to the percentages of recycled material reported in the circular of 4 August 2004, implementing Ministerial Decree 203/2003 on Green Public Procurement, and the UNI EN ISO 14021 standard.
- This trademark arises from the need to make recycled plastic goods for public administrations and / or companies with predominantly public capital more visible and more easily identifiable, as well as the large-scale distribution (large-scale retail trade).
- According to GPP (Green Public Procurement) the public administrations integrate environmental criteria in all phases of the process of purchasing goods and services; they encourage the diffusion of environmental technologies and the development of products valid from an environmental point of view, through research and the choice of results and solutions that have the minimum impact on the environment throughout the entire life cycle.
- The Plastic Second Life brand is therefore a useful tool for recognizing environmentally sustainable solutions.

EN71-3 certification

EcoAllene® have been subjected to strict tests to get the certification for manufacturing toys. GECO 30 and GECO 50 are EcoAllene® based and virgin plastics, technically are suitable for toys manufacturing, on specific request it possible to get the certification.

EcoAllene®: a revolutionary material

EcoAllene® is a new material resulting from the recycling of poly laminates; that's why it is defined eco-friendly.

Using patented techniques, ECOPLASTEAM developed a production system that allows the use of poly laminate waste (PO-AL) to create EcoAllene® which is obtained by recycling and reprocessing objects otherwise dedicated to incineration or landfill: cartons for beverages, oily product packaging, confectionery wrappers, hot beverage capsules, ect.

The GERBALDO POLIMERI'S R&D Department, making its experience available, used EcoAllene® as a starting point for the development of new products, giving rise to the GECO line. GECO products, designed for the rotational molding market, have a minimum content of 30% of EcoAllene® and boast the Plastic second life certification.

For further information about EcoAllene®: ecoplasteam.com



EcoAllene® is obtained by Poly laminate waste (PO-AL)

Rotomoulding product line

GECO 30

The best choice for mechanical performance

The product contains 30% of certified EcoAllene®; its characteristic materic effect and it is recommended for manufacturing quite good mechanical resistance products. The colour is the typical green of the gecko.

GECO 50

The best choice for green economy

The product contains up to 50% certified EcoAllene® therefore it is an environmentally friendly product. The color is the typical green of the gecko.

GECO 70 MAGIC BLACK

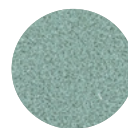
The best choice for recycling

A part of post-industrial recycled content is added to the EcoAllene® content, thus achieving a fantastic compromise between the guaranteed total recycled content of 70%. The product is available in black.

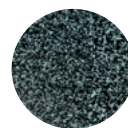


Colours

MAIN COLOURS

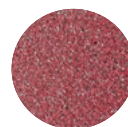


GECO

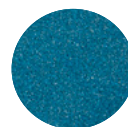


BLACK MAGIC

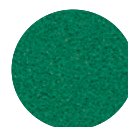
COLOURS AVAILAIBLE ON REQUEST



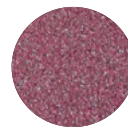
MUREX



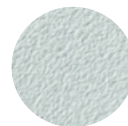
PEACOCK



FROG



SNAKE



RABBIT

All GECO colors are inspired to natural elements, which are exclusive and unrepeatable, in fact this makes our planet unique and inimitable. The focal point of GECO line is the sustainability of the environment: since the base material is EcoAllene®, the different productions can sometimes have minimum differences in color, but this gives to every product the added value of unicity.

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