



ROQUETTE

Foundation

- Family-owned French group founded in 1933

Turnover

- 3.1 billion €

Employees

- More than 7,800 people worldwide

Branches

- A world leader in starch industry

Key materials

- Biobased raw materials: maize, wheat, potatoes, peas and microalgae

Key products

- A range of more than 700 products
- For the plastic industry:
 - plant-based resins
 - bio-based plasticizers
 - bio-based building blocks



ROQUETTE

Offering the best of nature™

Company

ROQUETTE, a French family Group with an international dimension, processes renewable raw materials: maize, wheat, potatoes, peas and microalgae. Among the 5 global leaders in the starch manufacturing industry, it offers its customers a wide range of products and solutions in the fields of human nutrition, pharmacy-cosmetology, paper-board, chemistry-bioindustry and animal nutrition. Present in over 100 countries, ROQUETTE has a turnover of 3.1 billion euros.

Its development, focused on nutrition-health and plant-based chemistry, is based on a strategy giving preference to the long-term, innovation and the commitment to achieve. Its mission: "Serve men and women by offering the best of nature".

Material

Based on 80 years of expertise in starch transformation and the synthesis of its derivatives, ROQUETTE has conceived for converters and compounders, GAÏALENE®, a sustainable range of plant-based resins.

GAÏALENE® plant-based resins are thermoplastic products obtained by a patented process by grafting starch, giving them original properties.



Gaïalene® *Plant-based Resins by Roquette*

Available GAÏALENE® grades are suitable for:

- Blow film extrusion,
- Injection moulding,
- Extrusion foaming,
- and Compounding.





GAÏALENE[®] plant-based resins designed for durable applications are:

- **Bio-based:** at least 50 % non GMO plant-based materials,
- **Performant:** drop-in solutions to substitute standard polyolefins with new additional properties (velvet soft touch, natural antistatic properties, easy coloring and compounding properties ...)
- **Sustainable** with certified environmental profiles: CO₂ emissions reduced by at least 65 % compared to polyolefins,
- **Processable** on existing lines, but at a lower temperature than traditional plastics (about 175 °C) inducing lower energy consumption,
- **Cost competitive:** bio-based alternatives to common polyolefins or more technical polymers, and
- **Recyclable** in existing polyolefins streams.

Typical applications of GAÏALENE[®] resins are packaging (containers, pails, caps and closures, protective foams, shrink and wrap films, etc.), carrier and shopping bags, waste bags, household appliances, interior design ... Moreover GAÏALENE[®] resins also fulfill heavy metals and REACH regulations and can be used for food packaging.

R&D in Partnership with Customers

In its main Research and Development Center in Lestrem (France), ROQUETTE employs about 300 researchers and technicians and works alongside its customers in complete confidentiality to develop new solutions that meet their specific requirements.

This represents for them significant savings in terms of time and money, providing with GAÏALENE[®] resins a competitive edge in their markets where consumers are increasingly demanding and sensitive to sustainable development in their everyday environment.



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