BIOPLASTIC COMPOUNDS
Made in Austria.

SUSTAINABLE – UP TO 50% RENEWABLE RESOURCES.
HOME-COMPOSTABLE – NO MICROPLASTIC RESIDUES.

AGRANA AT A GLANCE

BRANCHES
- STARCH – FRUIT – SUGAR

EMPLOYEES
- More than 9,500

KEY MATERIALS
- Bio-based raw materials:
  - maize, wheat & potato

KEY PRODUCTS
For the plastic industry:
- Home-compostable compounds
  AGENACOMP® for film blowing.
- Thermoplastic starch
  AMITROPLAST® for film blowing, injection moulding and 3D printing

AGRANA
adds value to agricultural commodities to produce top quality foodstuffs and numerous industrial upstream products. AGRANA is today the leading sugar company in Central and Eastern Europe as well as being a key producer, in the Starch segment, of special products and bioethanol in Europe.

In addition, AGRANA is the global leader in fruit preparations and a major producer of fruit juice concentrates in Europe.

R & D
The journey of implementing sustainable solutions to ensure the fulfillment of today’s and future demands is not yet over. AGRANA employs a significant number of scientists and technicians who conduct applied research and customer-oriented product development.

Strengthening sustainable partnerships is our motivation, whereby confidentiality and technical support are guaranteed.
AGENACOMP® – properties and applications

Our expertise in BIOPLASTICS
Starch is an amazing and very versatile material, making it an important base for modern bioplastics. In the production of bioplastics, AGRANA uses its many years of expertise in the production and processing of starch and supplements this with the knowledge of the needs of the plastics industry.

- Carrier bags
- Fruit and vegetable bags
- Mulch films
- Waste bags
- Non woven fibers

AGENACOMP – your compound for film extrusion
Our AGENACOMP is home compostable and contains up to more than 50 % renewable materials. It allows to extrude films of less than 15 µm by standard film extrusion equipment.

OUR STARCH
- Renewable and regional raw material
- Non-genetically modified

OUR AMITROPLAST
- Our specialized thermoplastic starch

OUR AGENACOMP
- Combination of AMITROPLAST® with other bio-polymers
- Made in Austria

YOUR FILM
- Biodegradable
- Home-compostable
- Bio-based

AGENACOMP
BIO-BASED
AGENACOMP compounds are available with a bio-based content of more than 50 %.

FILM
A 25 µm film typically results in an extensibility of 350 % and a tensile strength of 25 MPa.

NO SMOKE
The new technology of AGENACOMP significantly reduces the development of smoke during film blowing.

STRETCHING
Stretching increases the tensile strength, whereby values in a range of 60 MPa are accomplished (depending on the applied draw-ratio).

BIO-DEGRADATION & COMPOSTING

<table>
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<tr>
<th>HOME-COMPOST CONDITIONS (≥28°C and less)</th>
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<tr>
<td>start</td>
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<td>15 µm film AGENACOMP®</td>
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CERTIFICATIONS
AGENACOMP is certified according to EN 13432.