



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	OUR AMITROPLAST	OUR AGENACOMP	YOUR FILM
<ul style="list-style-type: none"> ■ Renewable and regional raw material ■ Non-genetically modified 	<ul style="list-style-type: none"> ■ Our specialized thermoplastic starch 	<ul style="list-style-type: none"> ■ Combination of AMITROPLAST® with other bio-polymers ■ Made in Austria 	<ul style="list-style-type: none"> ■ 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).

Density (g/cm³) *approx. 1.3*

Particle size (mm) *approx. 4*

Melt Volume Rate MVR
(190 °C, 2.16 kg) (cm³/10 min) *approx. 2*



BIO-DEGRADATION & COMPOSTING

HOME-COMPOST CONDITIONS (28°C and less)

	start	after 2 weeks	after 4 weeks
15 µm film AGENACOMP®			

CERTIFICATIONS

AGENACOMP is certified according to EN 13432.

