



AGENACOMP®

YOUR HOME-COMPOSTABLE BIO-BASED POLYMER FOR FLEXIBLE PACKAGING

AGENACOMP® combines thermoplastic starch with a biodegradable polymer which can be implemented in your existing set-up. It has excellent mechanical properties regarding flexibility and formability and is home-compostable. AGENACOMP® can be tailored to meet the specific requirements of different applications, such as flexible packaging films, mulch films, or 3D-printing.

PRODUCT CHARACTERISTICS

AGENACOMP® is easy to process in your existing set-up and has excellent mechanical properties.

- Natural
- Biodegradable
- Versatile
- Home-compostable
- No microplastic residues
- Colorable
- Recommended for multi- & monolayer*

*AGENACOMP® F50:
Recommended for multilayer

Density (g/cm ³)	approx. 1.3
Particle size (mm)	approx. 4
Melt Volume Rate MVR (190 °C, 2.16 kg) (cm ³ /10 min)	approx. 2



AGENACOMP® F30

- Excellent mechanical properties, comparable to PE
- Perfect for mulch films



AGENACOMP® F40

- Bio-based carbon content 33%
- Good processability with high starch proportion



AGENACOMP® F51

- Sustainability boost: Bio-based carbon content >50%
- Easy to process with conventional processing equipment

PRODUCT TYPES



AGENACOMP® F50

- Sustainability boost: Bio-based carbon content 40%
- Cost efficient: High starch content



AGENACOMP® F61

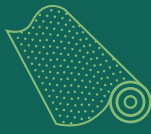
- Sustainability boost: Bio-based carbon content >60%
- Easy to process with conventional processing equipment

APPLICATIONS

AGENACOMP® can be tailored to meet the specific requirements of different applications, such as flexible packaging films, mulch films, injection molding or 3D-printing.



3D-PRINTING



PROTECTIVE PACKAGING



NON-WOVEN FIBERS



BAGS



MULTILAYER FILMS



ABOUT AGRANA

AGRANA Starch has a long history of producing starch products for the food industry, for more than 40 years. With its expertise in processing corn, potatoes and wheat it made sense to also develop skills in producing thermoplastic starch. And that's how AGRANA Starch becomes your reliable partner in creating thermoplastic starch and the compound – AGENACOMP® for your packaging solutions.



Wrap it up naturally with AGENACOMP®, the eco-friendly choice for film manufacturers!

CONTACT US

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BIO-DEGRADATION & COMPOSTING:

HOME-COMPOST CONDITIONS (≥8 °C AND LESS).

15 µm film
AGENACOMP®



start

after 2 weeks

after 4 weeks



AMITROPLAST®

THERMOPLASTIC STARCH

With the AMITROPLAST® product family, AGRANA provides a user-friendly thermoplastic starch for extrusion, film blowing, injection molding and 3D-printing.

Our AMITROPLAST® products allow users to incorporate significant amounts of thermoplastic starch into bioplastic compounds and thus, to create tailor-made polymer compounds that are processable by using standard polymer equipment and capable of adding extra value to innovative products.

PRODUCT CHARACTERISTICS

AMITROPLAST®, thermoplastic starch can be added to polymers to increase the bio-based content and improve the biodegradability.

- Cost-effective
- Biodegradable
- Versatile
- 100 % bio-based

