

Case Study

BioGranic: Advancing Compostable Bioplastics in Rigid Applications

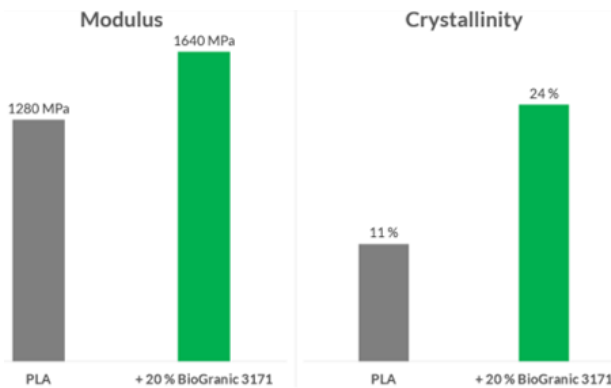


BIOGRANIC®

BIOGRANIC® 3171 a mineral masterbatch formulated with a specially developed mineral blend and a biodegradable thermoplastic carrier resin.

This unique combination improves overall performance, reduces formulation costs, and enhances the production process.

Performance



Sustainability

GCR is committed to the environment

- Lower Carbon Footprint
- BioGranic® 3171 is certified according to
 - OK Compost INDUSTRIAL
 - OK Compost HOME



Key Advantages

- Enhances output and process stability, ensuring a more uniform thickness distribution through improved plasticization.
- Significantly improves impact resistance and heat deflection temperature in PLA,
- Offers a cost-effective solution, enhancing the processing and performance of common biodegradable thermoplastics.
- Reduces brittleness, facilitating easier handling.

The mineral present in the product may migrate if the manufactured product comes into contact with substances with a pH below 4.5. All the data presented represent average values that are indicative of the production process and should be considered for informational purposes only, not as contractual values. Note: To maintain the initial product quality, it is essential to follow the instructions described in the corresponding safety data sheet. The information provided in this technical data sheet is for guidance purposes only. The processor is responsible for the processing conditions and the final use of the product and must respect the rights of any third-party patents or other intellectual property rights, including but not limited to copyright, trademarks, and designs.