



Brightplus

**Does your business require
renewable materials?**

What is BrightBio®?

1. Green chemistry-based renewable material recipe bank
2. These chemical recipes enable different functionalities
3. Main building blocks are
 - renewable polymers
 - industrial and agricultural side-streams
 - natural colorants and inorganic components





Tailored functionalities for multiple materials



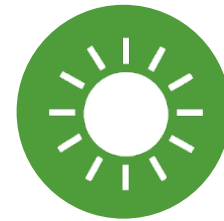
**HEAT
RESISTANCE**



**MOISTURE
DURABILITY**



**IMPACT
RESISTANCE**



**UV
RESISTANCE**



**FROST
RESISTANCE**



**CHEMICAL
DURABILITY**

Our BrightBio® solutions



Innovation co-development and rapid prototyping

1. Customised functionality
2. Speedy lab testing
3. Fast fit to customer's manufacturing line



Functional granules and filaments

1. Renewable sources
2. New functionalities
3. No microplastics



Water based coatings for glass, wood and metal

1. Green processing
2. No solvents
3. Protective & decorative



Bio-based barrier films for packaging

1. Repulpable
2. Excellent protective performance
3. Tailorable functionalities

Selected public references

Biobased solutions for food packaging



BRIGHTPLUS.COM

Teknos and Brightplus cooperate to develop bio-based and biodegradable solutions for food packaging - Brightplus



Innovative natural copper coatings



BRIGHTPLUS.COM

Ecological BrightBio technology used to bring forth the natural features of copper - Brightplus



Biomaterials from feed production side-streams



BRIGHTPLUS.COM

Multipurpose bioplastic from soy residues: A pilot plant to Finland - Brightplus



Selected public references

Biomaterial toys with Wiitta



BRIGHTPLUS.COM

The Pulkka by Wiitta x BrightBio – Testissä vauhdikkaat bioliukurit - Brightplus

WIITTA
WE ♥ PLASTICS

Ecological wood coating without harmful chemicals



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Punamullasta sinisoijaan – Team Sinisoija voittoon Siparila Hackathonissa - Brightplus

SIPARILA


Biodegradable pet urn with Pek-Pohjantähti



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Brightplus and pet crematorium Pohjantähti develop ecological biodegradable pet urns - Brightplus

★
Pieneläinkrematorio
POHJANTÄHTI ★

A close-up photograph of a 3D printer's extruder head, which is a blue and silver mechanical assembly, printing a red, lattice-like structure. The structure is composed of many small, interconnected, circular or oval shapes, creating a porous, mesh-like appearance. The printer is positioned on the left side of the frame, and the red material is being deposited onto a surface. The background is blurred, showing other parts of the printer and a blue light source.

"Brightplus has developed an impressive selection of easy-to-use 3D printing materials.

We believe these renewable material solutions will bring us clear business growth."

Jarkko Lohilahti
CEO of Maker 3D



Building carbon neutrality



Our portfolio includes products with renewable content as high as 99.5 %.



Majority of our granulates have over 50 % renewable or recycled content.



We reduce the circularity gap. 30 % of our products contain industrial side-streams such as bio ash.

Our commitment to quality, customer excellence and continuous improvement

**Our Quality
Management System is
ISO9001:2015 certified**



**Our ISO14001:2015
certification is in
process**



**We are committed to
UN Sustainable
Development Goals**



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