



“Making Life More OK” with Bioplastics

Bioplastics are mainly produced from bio-based feedstocks and compostable plastics. They are considered as the latest innovation in the chemical sector that are “Making Life More OK” and more convenient, in addition to making the world a better place.



1

Made from natural substances

Sugarcane, cassava, and corn are used as raw materials for bioplastics to make forks, spoons, straws, and packaging. GC and its partners have teamed up on several initiatives including the Bio-Benjarong Cup Project, the Zero Waste Cup, and the Be Smart Be Green campaign, which aims to promote the use of products that have biodegradable coating and packaging.



2

Environmentally friendly and compostable

Bioplastics decompose in 180 days to one year* under active composting conditions. This makes bioplastics a great alternative and an important way to reduce the problem of plastic waste. GC Group now produces Bio-PBS, a Polylactic Acid (PLA) that is 100% compostable.

**Depends on various environmental factors such as temperature, moisture, type of product, and the amount*



3

Improving plant growth and increasing plant nutrients

When biodegraded, bioplastics break down into biomass, water, and carbon dioxide, which are essential for plant growth that can significantly improve air quality.



4

An important component for the economy

Bioplastics can be made from sugarcane and cassava, for which Thailand is the world's top exporter. Using these crops to produce bioplastics can provide a major boost for the country's economic growth.

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GC is committed to promote the efficient use of plastics and maximize their benefits following the principles of the Circular Economy.

#Circularliving #ไลฟ์สไตล์เปลี่ยนโลก #GCChemistryforBetterLiving