

# Biodegradable Plastic

“self-degrades”

At Frameless Asia Pacific, we understand the importance of sustainability within the design industry which is why we are continuously offering new solutions and developing new materials in order to minimize our impact on the environment.

Advancements in science and technology are coinciding with sustainable solutions. Our biodegradable material is made from Bio-Polymer, a thermoplastic fiber grade resin derived from renewable resources that self-degrades after a period of 3-6 months when in touch with soil. Materials such as this could significantly reduce the consumer environmental footprint.

This biodegradable material is made primarily of polylactic acid, a repeating chain of lactic acid, which undergoes a degradation process when composted. First, the moisture and heat in the compost pile attack the bio-polymer chains splitting them apart creating smaller polymers, and finally, lactic acid.

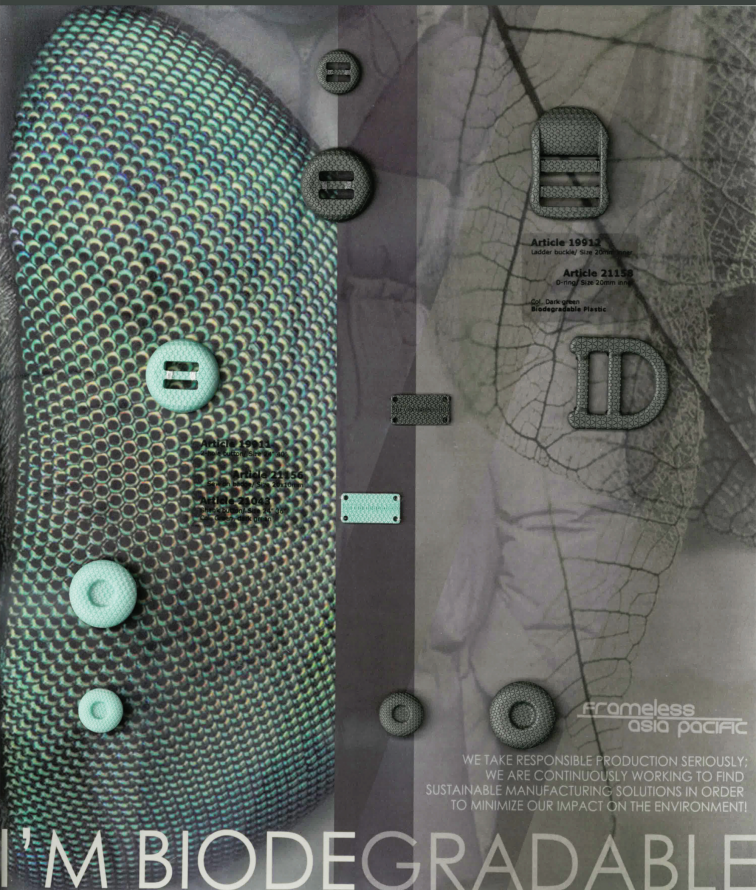
Microorganisms in compost and soil consume the smaller polymer fragments and lactic acid as nutrients. Since lactic acid is widely found in nature, a large number of organisms metabolize lactic acid. The end result of the process is carbon dioxide, water and humus, a soil nutrient.

Our Biodegradable Plastic is lightweight yet durable and can be developed in your specific Pantone colours.

For more information please do not hesitate to contact us!  
[info@frameless-asia-pacific.com](mailto:info@frameless-asia-pacific.com)

**GO BIODEGRADABLE**  
**FUTURE**  
DESIGN THE

# Biodegradable Plastic Products



Article 19913  
Ladder buckle/ Size 25mm long

Article 21156  
O-ring/ Size 20mm long

Article 21603  
O-ring/ Size 25mm long

Article 19913  
Ladder buckle/ Size 25mm long

Article 21156  
O-ring/ Size 20mm long

Col. Dark green  
Biodegradable Plastic

frameless  
asia pacific

WE TAKE RESPONSIBLE PRODUCTION SERIOUSLY;  
WE ARE CONTINUOUSLY WORKING TO FIND  
SUSTAINABLE MANUFACTURING SOLUTIONS IN ORDER  
TO MINIMIZE OUR IMPACT ON THE ENVIRONMENT!

# I'M BIODEGRADABLE