

W-Cycle replaces plastic packaging with food waste

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W-Cycle, an Israeli foodtech startup has developed SupraPulp™, plastic-free packaging made of sugarcane waste that is fully compostable, safe, yet durable enough to be used for greasy, wet, or hot food. Packaged food with SupraPulp can be frozen and heated with either an oven, convection oven, steam cooker or microwave.



Sugarcane waste-based durable packaging is plastic-free and fully compostable

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SupraPulp is patented, field-tested, and an ideal replacement for plastic, aluminium, or foam containers. It is made from 100% renewable sugarcane fibers, called *bagasse*, the dry, pulpy fibrous matter that remains after sugarcane or sorghum stalks are crushed to extract their juice.

SupraPulp is compostable, non-coated, toxin and metal free. The containers have unique characteristics compared to standard bagasse containers that make them the ideal alternative to plastic trays for food products, especially fresh, frozen, or prepared consumer packaged meals. While standard pulp products cannot sustain liquids and oils, SupraPulp containers are oil - and water-resistant and avoid any absorption or leakage. CPET plastic trays are typically used in for ready-meal packaging. SupraPulp, just like CPET, is ideal for ready meals since it is suitable for freezer-to-oven/microwave convenience.

Fresh meat, poultry & sea food are also commonly packed in plastic (PE, PET, Styrofoam) due to their juice runoff. SupraPulp is a great replacement as it will not absorb them, leak or soften. Following years of R&D efforts, W-Cycle's new SupraPulp material is able to be frozen to -40°C and reheated to 270°C (-40°F and reheated to 518°F), inviting a comprehensive range of food applications. After use, the package can be disposed of as organic waste.