

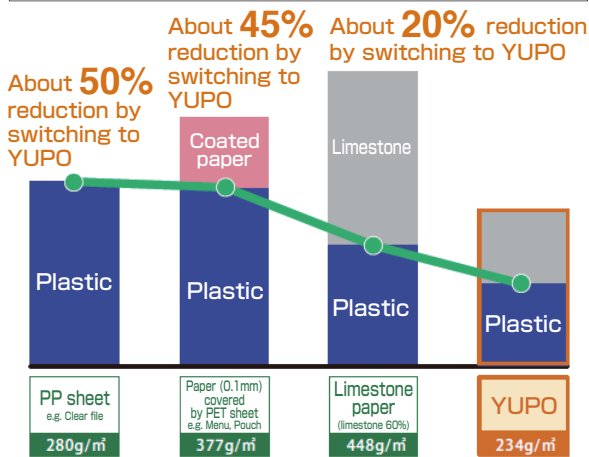
Proposal for Environmental Loading Reduction by Yupo Synthetic Paper

Characteristic and Advantages

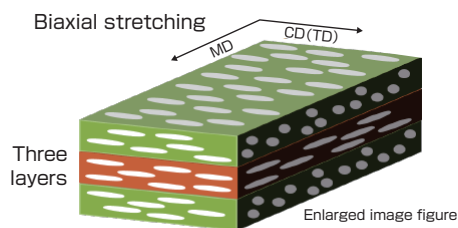
- Yupo is made from Polypropylene and fillers. Yupo has excellent durability and has many unique function.
- Because Yupo has "micro-void"(small air holes) in its structure, Yupo uses less plastic resin.
- Outstanding technique of controlling micro-void enables to bring various additional functions such as "heat insulation", "heat-retention" and "light blocking".
- Yupo Green is newly developed products contain biomass derived resin. It contributes to reduce CO₂ emission as those biomass resin is made from plant absorbs CO₂ in the air when photosynthesizing.

Comparison of use of resin between Yupo and other sheet

Comparison of plastic usage: 0.3mm thick products



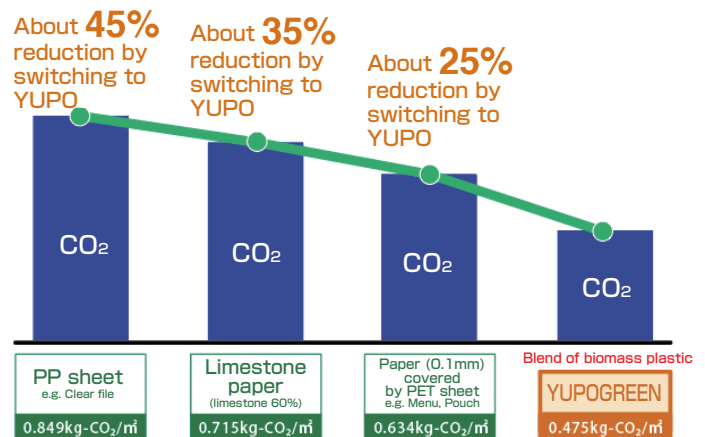
According to our analysis results



Plastic usage reduction by formation of micro-void

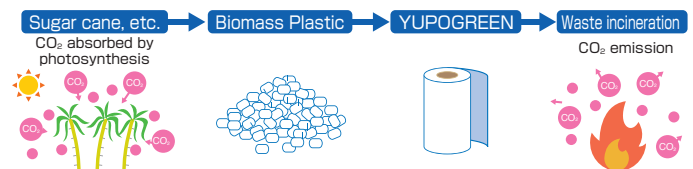
Comparison of CO₂ emission between Yupo green and other sheet

Comparison of CO₂ emission at incineration (kg-CO₂/m²): 0.3mm thick products



According to our analysis results

Blend of plant-derived biomass plastic "YUPOGREEN"



CO₂ absorbed by photosynthesis = CO₂ emission by incineration → CO₂ emissions from incineration are counted as zero.

* "YUPO" is a registered trademark of Yupo Corporation.

Applicable components

- Menus, Posters, and Labels for Food product, Toiletries, Cosmetics and Household goods.
- Yupo can apply various way which paper or film cannot.

Proposal for the future

- Yupo has been developing functional and eco-friendly synthetic paper.
- Microvoid structure in Yupo contributes to less resin use and CO₂ emission. In addition, Yupo Green containing biomass plastic is on the market and we are going to carry development of "biodegradable synthetic paper" and "Recycling resin containing synthetic paper" forward.

