

Bamboo Composite Resin Materials

Contribute to reduce CO₂ emissions as resin materials for automotive parts.

In order to create a carbon-neutral society, increasing needs for products that reduce CO₂ emissions by actively applying renewable materials to industrial products.

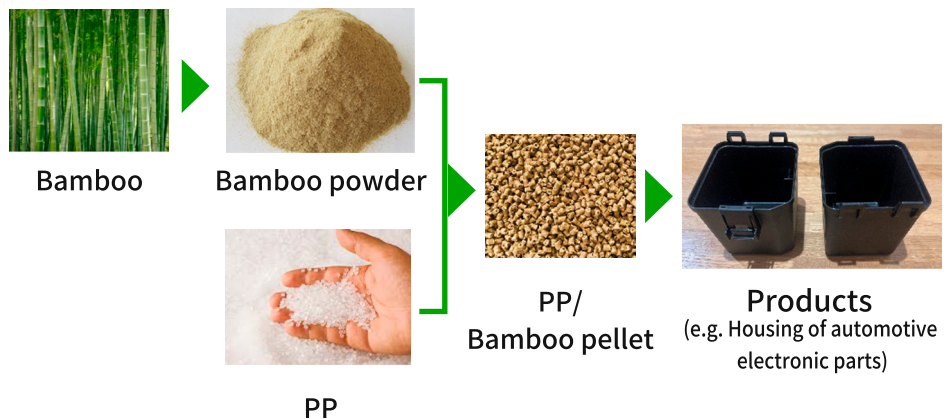
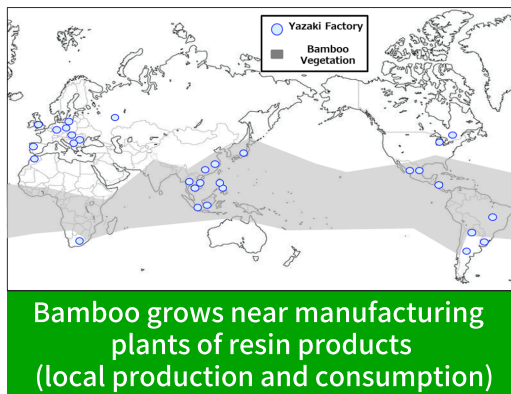


Feature

- 1** Reduce CO₂ emissions by 14%.
- 2** Manufacture in the conventional injection molding process.
- 3** Prevent degradation of resin materials by suppressing moisture absorption, which is a common challenge when using natural materials such as kenaf and woods.

Performance/Specification

Manufacture bamboo composite for reducing CO₂



Material property of PP / bamboo composite

	PP/Talc 30wt%	PP/bamboo 30wt%
Tensile strength (MPa)	27	42.8
Bending strength (MPa)	42.8	68
Bending elastic modulus (MPa)	3510	3769
Heat deflection temp. (degC)	142.1	142.5
Combustibility (UL94 test)	V-0	V-0
Melt Flow Index	8.6	12.6

Application case of PP / bamboo composite

