

# Plastic Products Utilizing CNF

- Mass Production
- Prototype
- Development

Plastic

## Product Features

- Rigidity improvement through the application of CNF materials.
- Performance enhancement by implementing CNF materials into multi-layer (3-layer structure) sheets.
- Environmental contribution and Carbon Neutrality (Transition from petroleum-based to plant-based materials).

## Product Technology



Engine Undercover

CNF content rate of 30%.  
Can be substituted with GF10%



Chipping Guard

## Effects of Applying Developed Materials



Rigidity

**70%**

Improvement

※当社比

Applying this to 3-layer foamed sheets enables further improvements in rigidity and impact resistance.



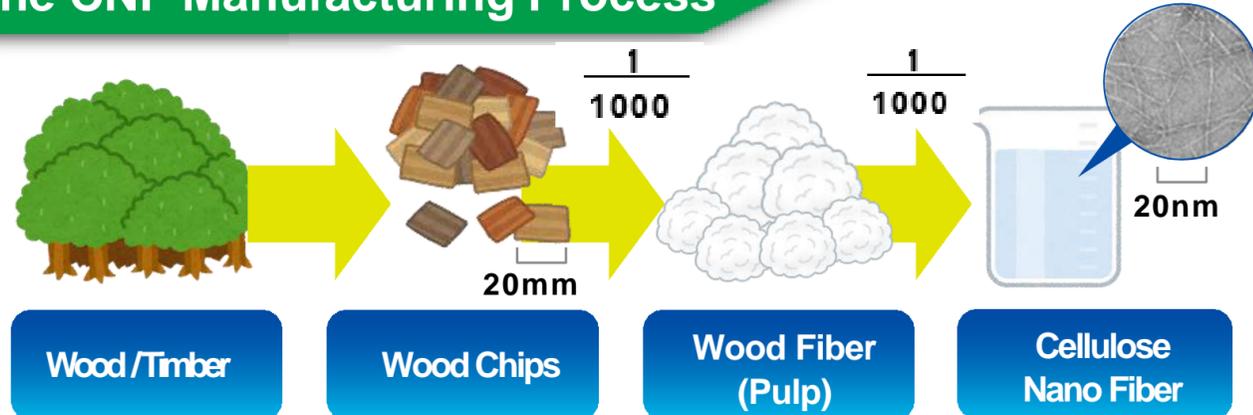
High rigidity of large flat undercover

※Currently evaluating prototypes

※PP + CNF30% Solid products

(CNF : Cellulose Nano Fiber)

## The CNF Manufacturing Process



Pressing Toward a Brighter Tomorrow