

# Lightweight Natural Fiber-Based Material Using Kenaf

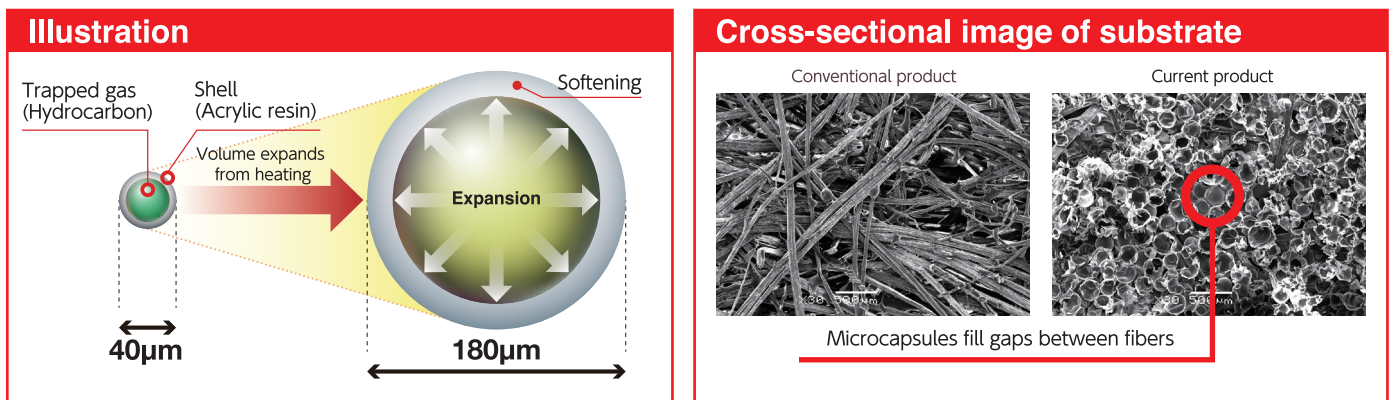
Door trim material uses kenaf, an annual grass plant with superior CO<sub>2</sub>-absorbing properties. Reducing vehicle component weight contributes to the reduction of CO<sub>2</sub> emissions over the product's life cycle\*.

\* Product's life cycle from manufacture of the product from the raw materials to disposal of the product.

Vehicle: LEXUS LS

## 01

Heat-expandable microcapsules fill the gaps in the fibers formed in molding of the material to maintain rigidity equivalent to that of conventional materials.



## 02

Resulted in developing a world-class lightweight natural fiber material (weight reduced by 20%).

