

## Cellenpia®

Cellenpia® is a cellulose nanofiber (CNF) developed by Nippon Paper Industries. The CNF is a new material created by using technology that breaks down the fiber of cellulose extracted from wood resources to the nano-level. Due to its wide variety of functions (e.g., strength improvement, thickening, moisture retention, emulsion stability, oxygen barrier properties), it is expected to be utilized in a wide range of fields from food to industrial applications.

### Contribution to Achieving SDGs through Products



- A new material derived from plants with low environmental impact related to production and disposal, developed by maximizing the use of various technologies and know-how
- Uses cellulose obtained from sustainably managed forests
- Promoting the development of applications that demonstrate the diverse properties of CNF through partnerships with users

### Adoption Example



**Dorayaki**  
(pancakes stuffed with  
sweet red bean paste)

Tago no Tsuki Co., Ltd.

Moistness is maintained by the addition of CNF. It extends the expiration date and reduces food loss.



**Personal watercraft parts**

Yamaha Motor Co., Ltd.

CNF-reinforced resin cellenpia®PLAS used in the engine cover. In addition to reducing the weight of components, since cellenpia®PLAS features excellent material recyclability, it leads to reduced lower emissions of greenhouse gases.

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Product URL <https://www.nipponpapergroup.com/english/products/cnf/>