

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/>