

# MinerPa®

MinerPa® is a new material made by applying the pulp and inorganic material manufacturing technology cultivated by Nippon Paper Industries and attaching inorganic particles to the surface of wood pulp (cellulose) at a high density. MinerPa® is characterized by its unique pulp moldability and various inorganic functions such as deodorizing, antibacterial, flame retardant, X-ray shielding.

## Contribution to Achieving SDGs through Products



- State-of-the-art plant-derived biomass material 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



### Cat litter

IRIS OHYAMA Inc.

By using the deodorizing and antibacterial type "MinerPa-FCZH", the odor of cat excretion is reduced.



### Desiccant packaging material

SANWA Co., Ltd.

Non-woven fabric containing the deodorant and antibacterial type "MinerPa-FCZH" is used for the packaging material. Deodorizing is performed at the same time as dehumidifying and drying.



### Turbid water filter

TODA CORPORATION

We have developed MinerPa® to adsorb SS (Suspended Solids) easily in turbid water from construction sites. It is packaged in a mesh net for use. It can remove approximately twice the amount of SS as conventional products.

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Product URL <https://www.nipponpapergroup.com/research/organize/minerpa/> (Japanese)