

Three-Dimensional Nonwoven Surface Sheet for Sanitary Products

This technology makes nonwoven surface sheets for diapers and sanitary products gentle on the skin while providing sufficient absorbency. The three-dimensional nonwoven structure is created using specialized fiber and sheet-processing technologies. This structure reduces the skin contact area. At the same time, its high absorbency helps reduce wetness and dampness on the skin while minimizing friction, providing a comfortable feel.



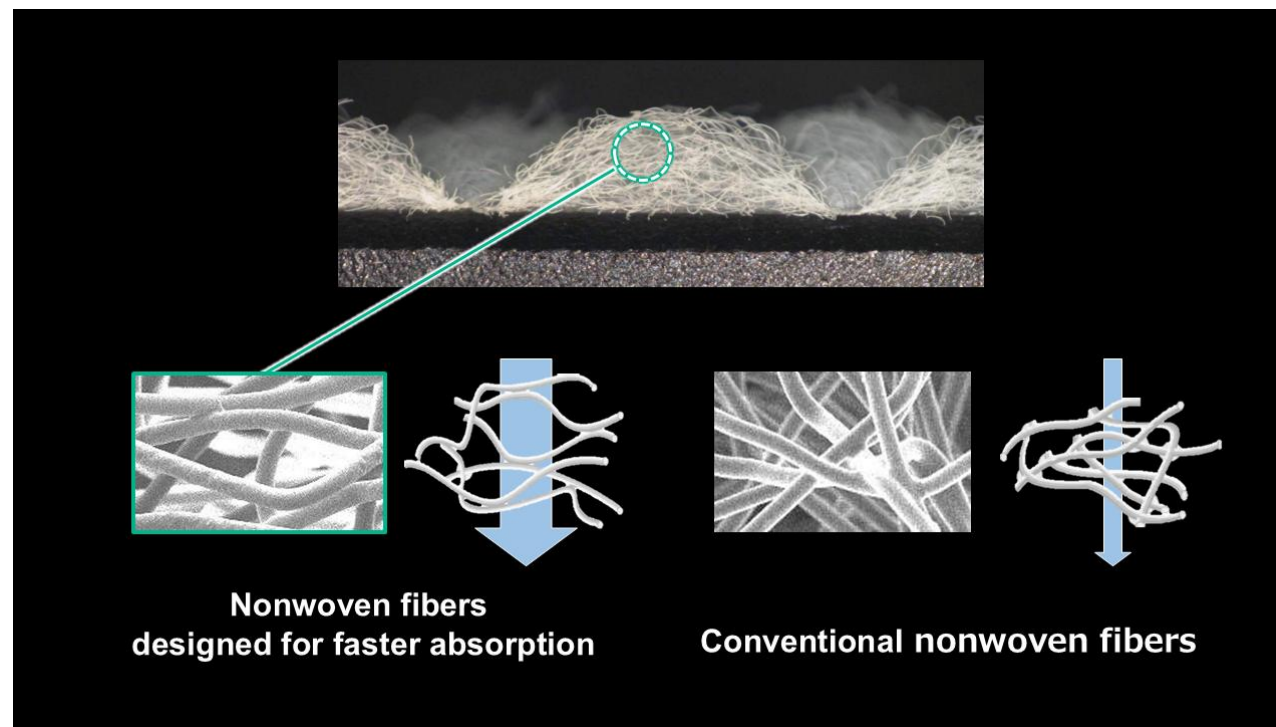
<Unique Points>

Developed with a focus on skin gentleness, this technology was designed to help maintain a healthy skin environment for the user.



Backed by skin research

The concept is to create a fine three-dimensional texture on the surface of the sheet to reduce the skin contact area. In addition, optimizing the spacing between fibers helps improve fluid acquisition and reduce rewet, making it less likely for absorbed liquid to return to the skin.



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<Key Benefits>

- Helps reduce wetness, dampness, and friction — factors that can cause discomfort to babies' skin and skin stress for women.
- Helps users stay comfortable during menstruation, just as they do on other days.
- By reducing concerns such as leakage, it helps users feel more at ease during both the childcare period and the menstrual period.

<Concerned Research Areas>

- Product Development Research:

- Sanitary Products

- <https://www.kao.com/global/en/innovation/research-development/product-development/sanitary-products/>

- Fundamental Research:

- Material Science

- <https://www.kao.com/global/en/innovation/research-development/fundamental/material-science/>

- Production Technology

- <https://www.kao.com/global/en/innovation/research-development/fundamental/production-technology>