

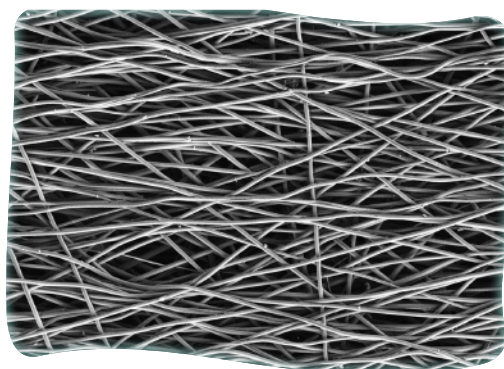
# Technical data sheet 0403

## Tiss®-NH<sub>2</sub>

**Tiss®-NH<sub>2</sub>** is a family of nonwoven nanofibre membranes made by electrospinning with a very high specific surface.

Tiss®-NH<sub>2</sub> are produced with different concentrations of -NH<sub>2</sub> groups and a high degree of biocompatibility, which is important for decreasing background in biological assays and in preventing denaturation on immobilised biomolecule.

Tiss®-NH<sub>2</sub> is highly versatile and especially recommended to act as support for all the applications that require a **covalent immobilisation of biomolecules** including RIA (radioimmunoassay), immunoassay (ELISA kits, lateral flow test strips, etc...) and DNA flow.



*Should any of our materials fail to perform to our specifications, we will be pleased to provide replacements or return the purchase price. We solicit your inquiries concerning all needs for life sciences work. The information given in this bulletin is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.*

## Characteristics

Fibre diameter:  $300 \pm 50$  nm

Density:  $\approx 0.6$  mg/cm<sup>2</sup>

Porous diameter: 1-3  $\mu$ m

Accessible functional groups: 230  $\mu$ mol/g

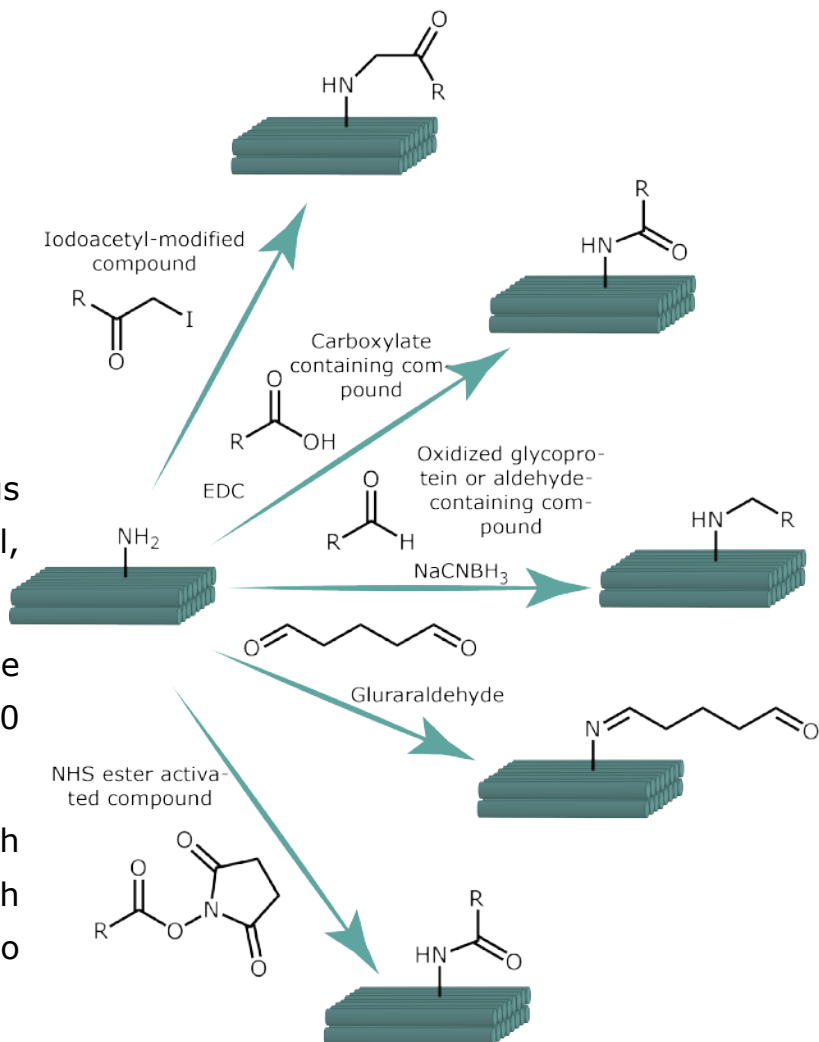
Very high specific surface.

Highly hydrophilic, but insoluble in aqueous media as well as in apolar solvents (oil, toluene...).

High robustness and stability in a wide range of pH (at least between pH 5 and 10 up to 24 hours).

Excellent mechanical properties: high mechanical strength, high consistency, high flexibility and temperature resistance (up to 100 °C).

Readily processable on industrial scale at low cost.



## Ordering information

Reference	Description	Size
04-03	Tiss <sup>®</sup> -NH <sub>2</sub>	16x11 cm

To order:

[sales@nanomyp.com](mailto:sales@nanomyp.com)

[www.nanomyp.com](http://www.nanomyp.com)

## Storage and Stability

Tiss<sup>®</sup>-NH<sub>2</sub> is completely stable to both time and temperature. **No need**, therefore, **for special storage conditions**.

***This product is for research use only is not intended for use in humans or for in vitro diagnostic use.***

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