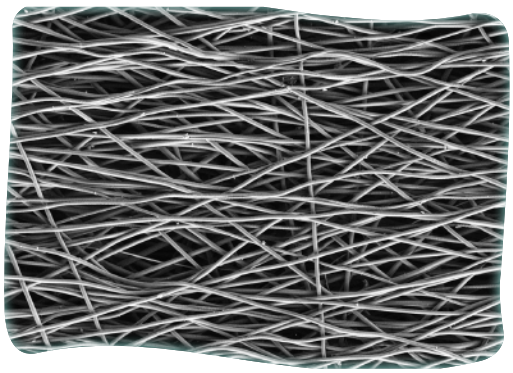
Technical data sheet 0403

Tiss®-NH_2

Tiss®-NH_2 is a family of nonwoven nanofibre membranes made by electrospinning with a very high specific surface.

Tiss®-NH_2 are produced with different concentrations of $-NH_2$ 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_2 is highly versatile and especially recommended to act as support for all the applications that require a **covalent immobilisation of biomolecules** including RIA (radioim-munoassay), immunoassay (ELISA kits, lateral flow test strips, etc...) and DNA flow.



Characteristics

Fibre diameter: 300 ± 50 nm

Density: ≈ 0.6 mg/cm^2

Porous diameter: 1-3 μm

Accessible functional groups: 230 μmol/g

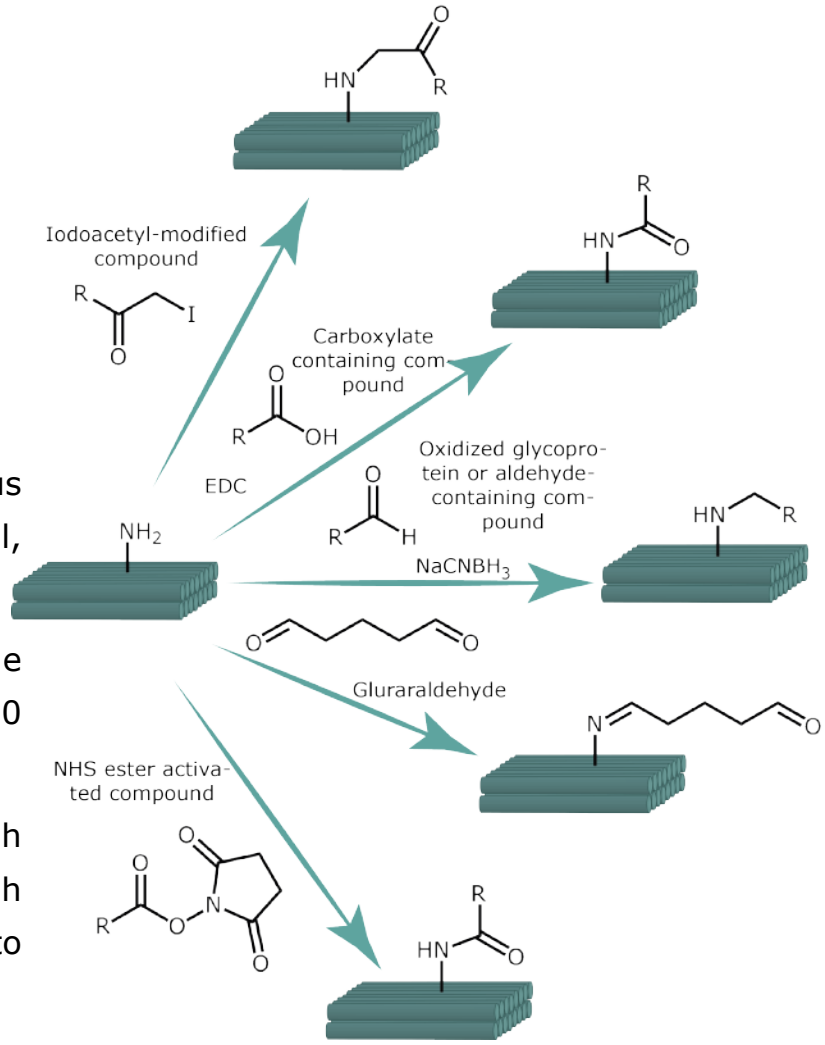
Very high specific surface.

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 º C).

Readily processable on industrial scale at low cost.



Ordering information

Reference	Description	Size
04-03	Tiss®-NH_2	16x11 cm

To order:

sales@nanomyp.com

www.nanomyp.com

Storage and Stability

Tiss®-NH_2 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.