

The SIMONA logo is positioned in the top right corner of the page. It consists of the word "SIMONA" in a bold, white, sans-serif font, centered within a solid red rectangular background.

SIMONA

The background of the entire page is a close-up, high-angle photograph of a white, textured liner material. The texture is a repeating pattern of small, raised, diamond-shaped or square-like protrusions, giving it a pebbled appearance. The material is shown at an angle, with the top-left corner of the image being the most prominent part of the texture.

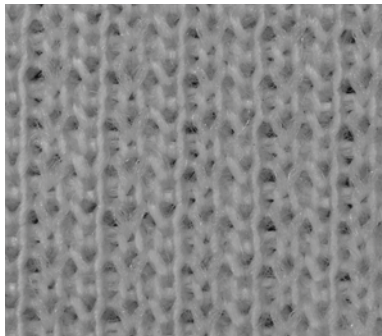
SIMONA PVDF-NK and ECTFE-NK

New liner materials that meet the toughest requirements

GLOBAL THERMOPLASTIC SOLUTIONS

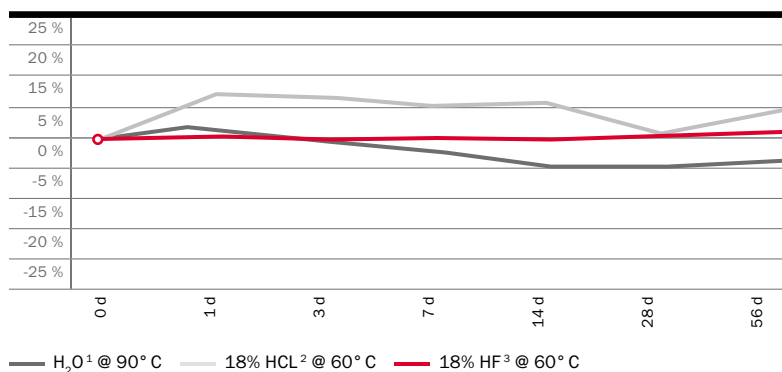
The new high-performance backings for a wide range of applications

Used in composite structures and as cladding, SIMONA® liner materials made from fluoroplastics guarantee a high level of safety and reliability when storing and transporting chemically aggressive media. The backing provides a perfect mechanical bridge between the liner material and the supporting material that needs to be protected against corrosion.



The range of liner materials has now been expanded with the addition of SIMONA® PVDF-NK and SIMONA® ECTFE-NK. The new polyacrylonitrile (PAN) backing used here is particularly well-suited to composite structures that carry or transport acids thanks to its outstanding chemical resistance to the permeating chemicals hydrofluoric acid (HF) and hydrochloric acid (HCl). The new liner materials SIMONA® PVDF-NK and SIMONA® ECTFE-NK are the ideal complement to the range of polyester, glass and aramid backings currently in use.

Change in mass of the SIMONA NK backing following an immersion test
in line with ISO 4433



¹H₂O: Water; ²HCL: hydrochloric acid; ³HF: hydrofluoric acid

i What are polyacrylonitriles?

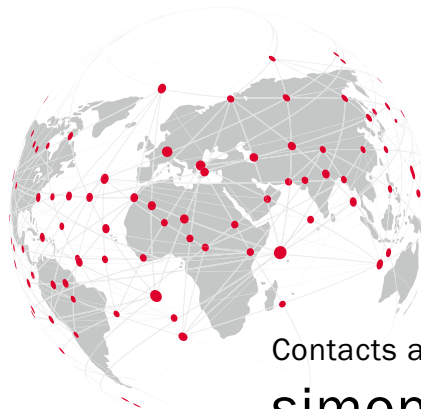
Polyacrylonitriles (or PANs for short) are semi-crystalline polymers produced by the polymerisation of acrylonitrile. Their strong intermolecular interactions make polyacrylonitriles very tough and stiff as well as being resistant to most media plus light and heat.

The new liner materials are available in the standard dimensions for our PVDF and ECTFE semi-finished products. Customisations can be handled on request.

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