

Chemical resistance of Kynar®-foil:

Resistance against chemicals as NH₃, NaOH, HCL:

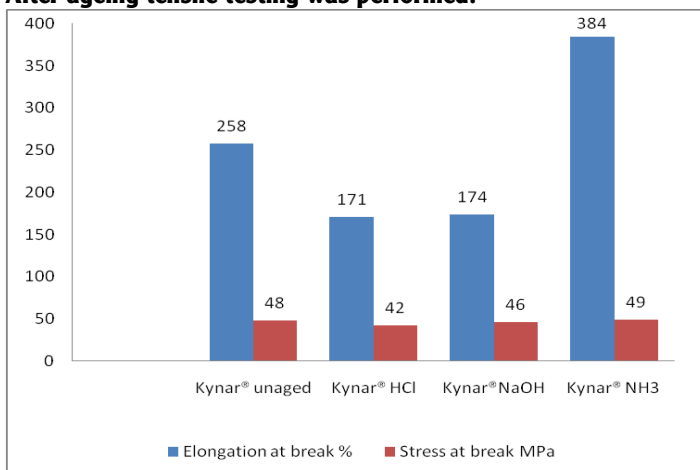
Kynar® PVDF was tested against the chemical substances sodium hydroxide solution (NaOH), hydrochloric acid (HCL) and ammonia (NH₃). Kynar® is resistant against those chemicals.

Preparation of the samples:

Samples were cut in machine direction, placed in a glass carrier and aged for 2h at 93°C in a solution of:

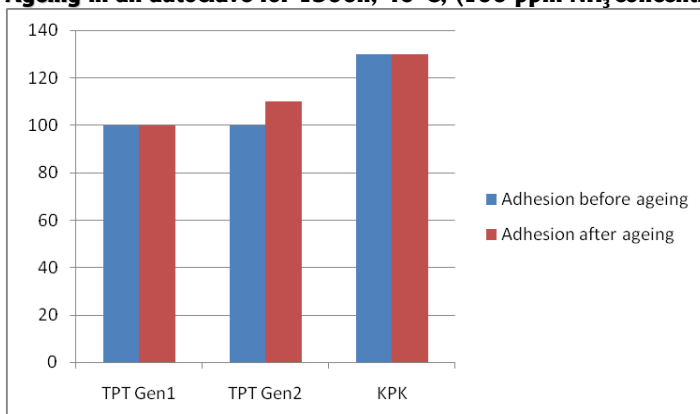
- **10% HCL (concentration of 35%) and 90% water**
- **NaOH (11 %) and 89% water**
- **For the test against NH₃ the sample was put in an autoclave for 1500h, 40°C, (100 ppm NH₃ concentration)**

After ageing tensile testing was performed:



Innerlayer adhesion of Akasol® KPK after NH₃-ageing compared to other Akasol® back sheets:

Ageing in an autoclave for 1500h, 40°C, (100 ppm NH₃ concentration)



All values stated are to be seen as typical values. We reserve the right to introduce changes within the framework of further technical development. We do not accept any obligations or liabilities in respect of this information. Status: 01/2009
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