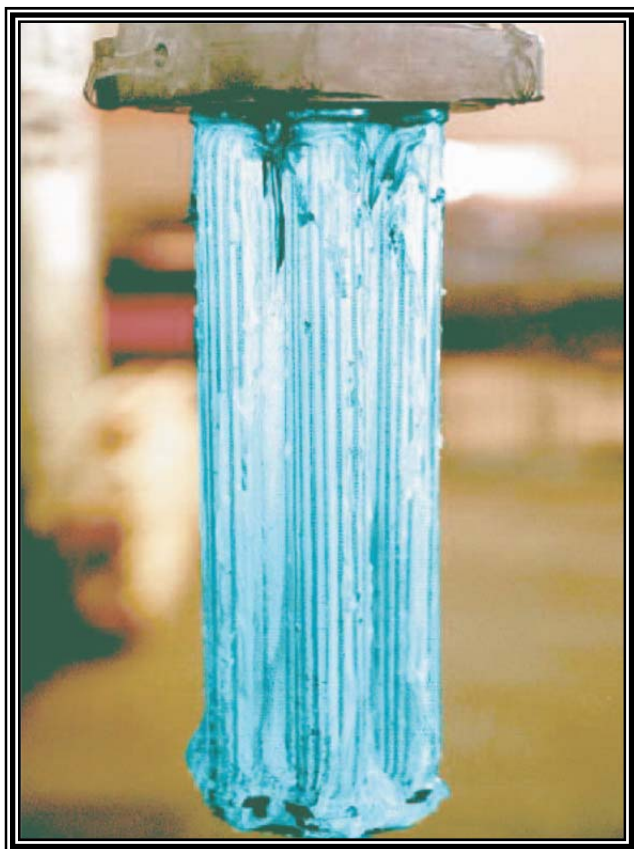
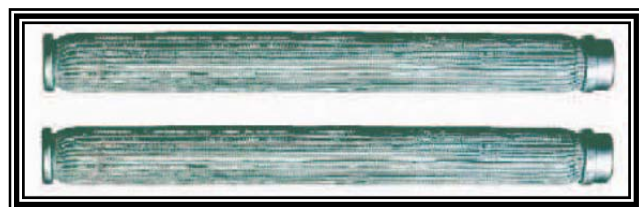


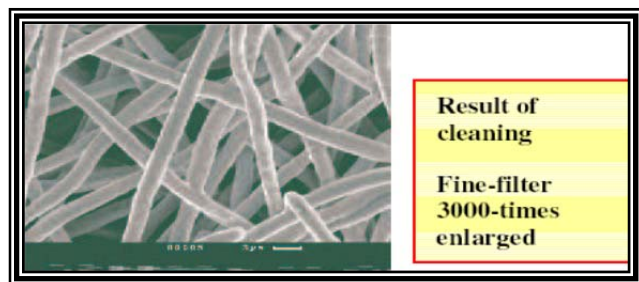
Candle Filter Cleaning in **FluClean**[®]



Filter bundle prior to cleaning



Filter candles after cleaning



Filter material under microscope

The quality and reproducibility of cleaning complete filter bundles and candle filters is vitally important for fiber production.

FluClean Fluid Bed Cleaning System enables all filter materials to be cleaned without damage.

The contaminating polymer, which may contain polymer gels, is removed in a single operation known as Hydrolysis.

Hydrolysis is an endothermic process, which is carried out under an atmosphere of steam in a fluidized bed.

The contaminated filters are placed in a special loading container. The fluidizing medium is not in contact with the parts.

The typical cleaning parameters for the new low temperature hydrolysis process are:

- Temperature < 300°C
- Time 6 - 12 hours

Inorganic residues are removed in a two step operation using a suitable post treatment.

This guarantees the requested cleanliness.

Post treatment comprises :

- Chemical cleaning
- High pressure water cleaning
- Ultrasonic cleaning

FluClean Fluid Bed Cleaning System as the first cleaning step is suitable for all types of metallic filter materials.

No thermal or mechanical damage to the various filter layers will result from this process.

The cleaning quality is checked after both stages (e.g. by bubble test, differential weight analysis) and is fully documented.