

## Verdi – modified viscose fibre

**Verdi** is an anionic viscose fibre with a pronounced core-sheath-structure.

Its **key properties** are:

### - Self extinguishing

In burning behaviour tests Verdi exhibits self-extinguishing properties.

Its LOI is similar to the LOI of FR polyester.

### - Water vapour and moisture management

Verdi absorbs twice as much water vapour and approximately 60 % more water than standard viscose.

### - Non-sticking surface effect

In wet state Verdi fibres and products made from them have a non-sticking surface effect.

- **Self-bonding properties** deliver higher dry-strength to papers and wetlaid constructions.

### - Anionic charge of Verdi fibre:

- Helps protecting the natural pH of the skin.
- Gives significantly higher affinity to cationic dyestuffs than standard viscose but no negative impact on dyeability using substantive dyes.

### Applications:

Verdi can be used in 100% or in blends with other fibres such as viscose, cotton or synthetics for

- Functional, water vapour and moisture regulating textiles
- Self-extinguishing night- and underwear
- Absorbent materials such as wound dressings, highly absorbent wipes

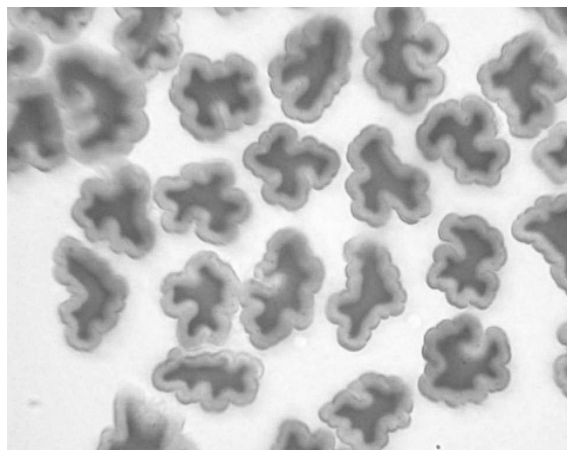
### Processing:

Verdi can be processed on ring spinning equipment, nonwoven and wetlaid technologies.

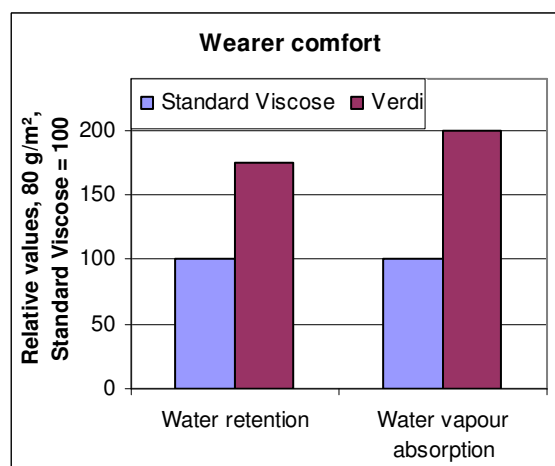
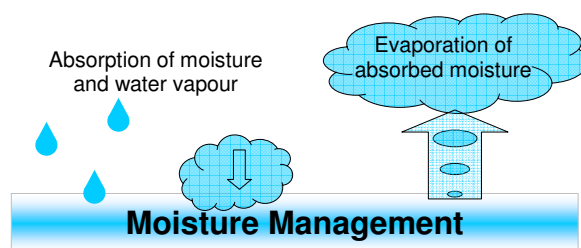
### Properties / Availability:

Tenacity (cN / tex)	17 – 22
Elongation at break (%)	18 - 21
Water retention (%)	140 – 180
Water vapour absorption (%)	18

Other dtex / staple lengths are available on request.



Cross section of Verdi



Decitex	1.7, 3.3
Staple (mm)	30, 40
Wet short cut (mm)	3, 4, 5, 6, 8, 10, 12
Lustre	bright

For more information about our products please email to: [functionalfibres@kelheim-fibres.com](mailto:functionalfibres@kelheim-fibres.com) or call Germany +49-9441-99353. Please visit also our website [www.kelheim-fibres.com](http://www.kelheim-fibres.com) . 09/2011