

## Dante - modified hollow viscose fibre

**Dante** is an anionic segmented hollow viscose fibre which is collapsed in the dry state and swells when wet.

Its **key properties** are:

**- Water vapour and moisture management**

Dante absorbs nearly twice as much water vapour and 4 times more water than standard viscose. This moisture is firmly held in the fibres' cavities.

**- Non-sticking surface effect**

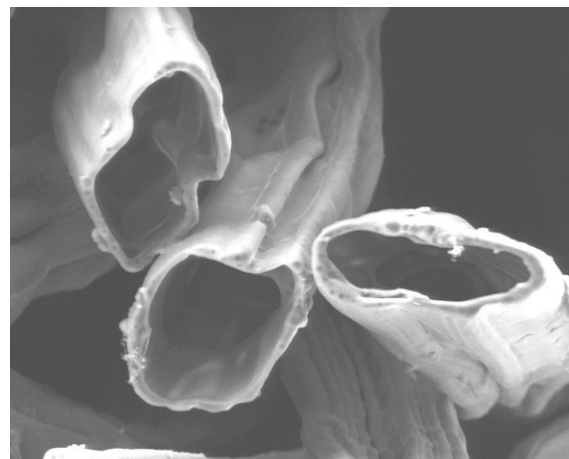
In the wet state Dante fibres and products made from them have a non-sticking surface effect

**- Self extinguishing**

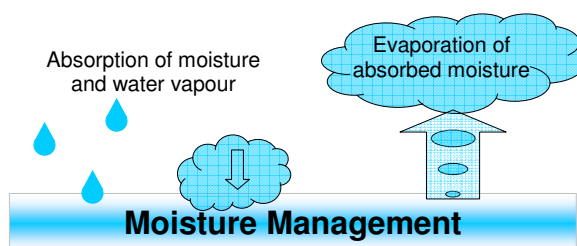
In burning behaviour tests Dante exhibits self-extinguishing properties.

**- Anionic charge of Dante fibres**

- Helps protect 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.



SEM image of Dante



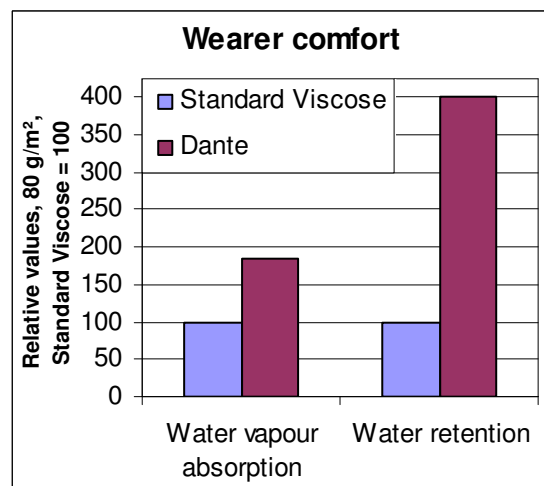
**Applications**

Dante can be used in 100% or in blends with other fibres, e.g. viscose, cotton or synthetics for

- Functional, water vapour and moisture regulating textiles and nonwovens
- Cooling wound dressings
- Absorbent pads
- Incontinence products

**Processing**

Dante can be processed on all common textile, nonwoven and wetlaid technologies.



**Properties / Availability:**

Tenacity (cN / tex)	10 – 13
Elongation at break (%)	16 – 23
Water retention (%)	330 – 460
Water vapour absorption (%)	16.5

Decitex	2.1, 3.3
Staple (mm)	40, 60 tow
Lustre	low

Other dtex / staple lengths are available on request.

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

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