



Smart. Sustainable. Superactive.

Cell Solution® BIOACTIVE – The textile barrier against germs and viruses.

With Cell Solution® BIOACTIVE, you can do away with disinfectant sprays and disposable clothing for clinical environments.

Our Cell Solution® BIOACTIVE fibers provide active protection against bacteria and viruses directly in the fabric. A 99.9% reduction in viruses within 30 seconds. Proven protection against influenza and COVID-19.

Natural and sustainable meets antiviral and antibacterial. Made from breathable, moisture-regulating wood-based cellulose that is gentle on the skin. The copper- or silver-based active ingredients are deeply embedded in the fiber. No nanotechnology, no capsules, no surface coating.

The effect lasts throughout the entire life of the product, even after 50 washes at 40°C.

More than just a hygiene product. Cell Solution® BIOACTIVE is pure fiber intelligence with antibacterial and antiviral properties that take effect at a concentration of just 3 - 5% in your fabric. It is also odor-inhibiting and skin-friendly. Ideal for sensitive skin and neurodermatitis. With OEKO-TEX® Class 1 certification, the fiber is also safe for babies. Dermatologically tested and clinically proven.

Cell Solution® BIOACTIVE provides health protection that accompanies you. Every day. Reliable. Without compromise.



Cellulose - a natural product

Cell Solution® is made of wood from sustainable forestry. Cellulose is breathable and regulates moisture. Textiles made of cellulose are more absorptive than cotton, they are silkier than silk and cooler than linen. The fiber naturally absorbs excess moisture and progresses it away from the body. The ability of cellulose to transport moisture is superior to that of the synthetic fiber. The fiber structure supports a pleasant skin climate and is temperature-balancing.

Datasheet		6,7 dtex / 38mm
Cellulose FSC	%	> 72
Ion exchange resin	%	< 15
Copper	%	< 3
Moisture	%	< 10
Tenacity, conditioned	cN/tex	> 17
Elongation, conditioned	%	10 - 12,5
Titre, raw fibre	dtex	6,7
Titre, copper loaded fibre	dtex	7,6
Color fibre	green	

Range of applications

Underwear, stocking and socks care gloves
massage topper terry articles Medical Wear and hospital clothing
Hometextiles such as bedding and mattresses face masks & more



Please contact us if you have any further questions
or would like to have more information.

Contact

smartpolymer GmbH
Breitscheidstraße 97
07407 Rudolstadt
Thuringia - Germany
Phone: +49 3672 379-0
cellsolution@smartpolymer.de
www.smartpolymer.de

