



Smart. Sustainable. Sensationally Cool.

Cell Solution® CLIMA FORTE – the fiber that thinks ahead.

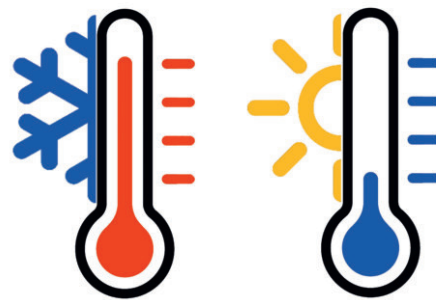
With Cell Solution® CLIMA FORTE, staying cool is no longer reactive, it's proactive. No sweating required to manage body temperature before heat is a problem. Offering instant comfort and a consistently dry feel, even when things heat up.

Whether you aim for restful sleep, or peak athletic performance, our fiber adapts to your needs across every textile application you can imagine. And we're right by your side, from concept to creation.

Built with integrated PCM technology, Cell Solution® CLIMA FORTE doesn't just outperform, it sets the benchmark. With a thermal storage capacity of up to 90 joules per gram, we lead the market in heat management performance.

All of this, without disrupting your process: blending in at just 20 - 30 %, our fiber fits seamlessly into your existing mix. No extra steps, no compromises.

Just future-ready performance in every thread. Let your product set the new market standard with the fiber that acts before your body reacts. Feelable and durable over the whole lifespan of your product.

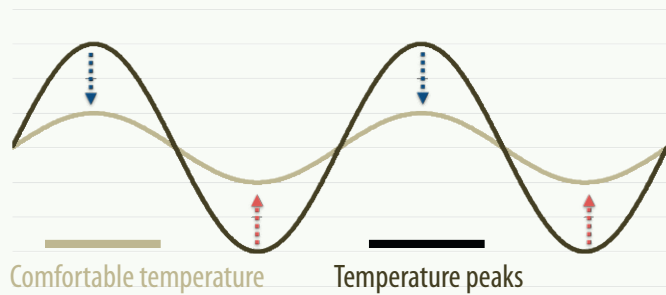


Thanks to their PCM function, our Cell Solution® CLIMA FORTE fibers absorb excess heat when the body or ambient temperature rises. When the temperature drops, they release the stored heat.



Temperature peaks are balanced out. At higher temperatures, due to exercise, the excess heat is stored in the fibers (**cooling effect**). At lower temperatures, due to outside conditions, stored energy is released (**warming effect**).

This process is infinitely repeatable. The climatization effect is an inherent property of the Cell Solution® CLIMA FORTE fibers. The effect is permanent.



Datasheet		2,3 dtex / 38mm	6,7 dtex / 60mm
Cellulose FSC	%	> 56	> 46
Rape based paraffin	%	29	38
Natural clay	%	4-5	5-6
Moisture	%	< 10	< 10
Titre variation	%	± 10	± 10
Tenacity, conditioned	cN/tex	> 19	> 16
Tenacity, wet	cN/tex	> 17	> 14
Elongation, conditioned	%	12-16	11-14
Elongation, wet	%	14-17	13-18
Loop tenacity	cN/tex	3-5	3-5
Wet modulus	cN/tex	≥ 60	≥ 60
Whiteness		17-30	17-30
Storage capacity	J/g	> 50	> 90



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Range of applications

Applications with feelable desire

Matresses Quilts Pillows
Blankets Bedlinen Duvets

Applications with performance and comfort enhance

Sportswear/ Outdoor Workwear Socks
Government agency clothing Gloves Shoes

 **Cell Solution**[®]
CLIMA FORTE

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