

“We conclude the “F5” fabric has a unique combination of performance characteristics that would be critical in high compression, long-term-wear garment usage... in postoperative applications, it is superior to standard stretch fabrics of any construction and fiber content.”

-DR. RADHAKRISHNAIAH, TEXTILE SCIENTIST



Compression Garment
Fabric Standards®

Testing Methods and Certifications



Kawabata Evaluation System (KES)

This method of testing is used for objective measurements of the mechanical properties of fabrics. The Kawabata system of instruments predicts the aesthetic qualities – texture, softness and other hand properties – perceived by the human touch of fabric materials.

Clariant Laboratory Data

With over 142 years of textile chemical experience, Clariant offers a full range of textile processing products including its world leading antimicrobial technologies. It has its own biological and analytical laboratory in Burgdorf, Switzerland staffed by qualified scientific specialists who produce certifiable bacteriostatic test results.

Invista

The world's largest integrated premium fiber, resin and intermediates company. Coolmax®, Lycrasoft® and Tactel® are registered trademarks of Invista whose laboratories certify performance fabrics containing Invista and companion fibers.

“Marena’s scientific breakthrough is the absolute latest in ‘cutting edge’ technology using today’s state-of-the-art fibers, textile machinery and knitting design.”

-MARK LAZARUS, TEXTILE KNITTING ENGINEER



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inspired by innovation

Compare the science.
Feel the difference.



Like skin. Only better.
ComfortWear® by  Marena®

Compare the science. Feel the difference.



Marena ComfortWear is the only line of compression garment made using F5 certified material. F5 is a new, revolutionary textile science that brings the top five most important fabric characteristics together to create the most comfortable and effective compression wear available.

Because of F5 science, Marena ComfortWear feels more like a layer of skin than a compression garment. Patients who use ComfortWear experience less discomfort than patients who wear other compression garments and are more likely to follow their doctor's orders.

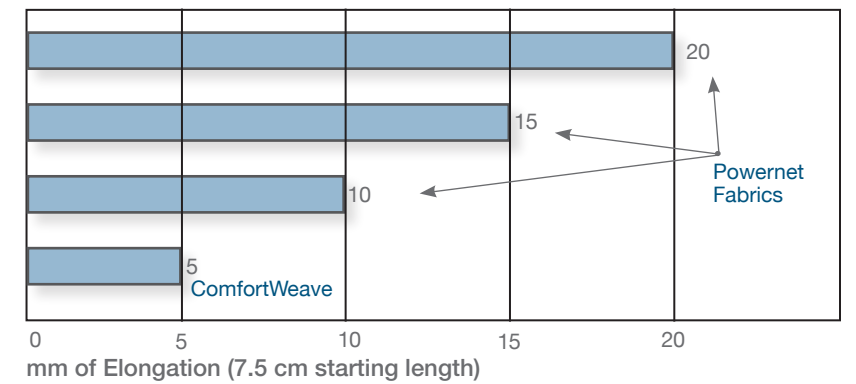
Marena ComfortWear outperforms leading compression garments in all five of the following fabric performance areas:

durability

Durability

Manufactured with a patent-pending stitch design and tested in the laboratory, ComfortWeave fabric holds its shape even after 60,000 flexes and 30 extreme washes.

Results after 3000 movements simulating 24/7x 45 day patient use.

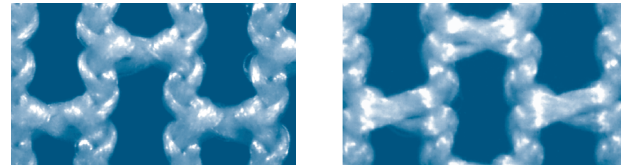


power/stretch

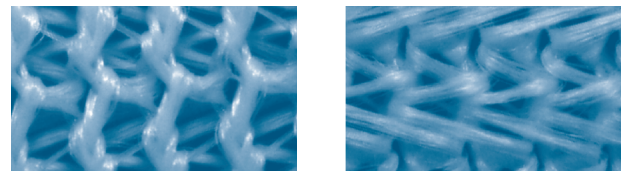
Power/Stretch

Three dimensional stretch—not one or two-dimensional like all other fabric—makes ComfortWear superior in providing supportive compression as it comfortably squeezes the patient's body.

Powernet (1960)



ComfortWeave (version 6: June 2005)

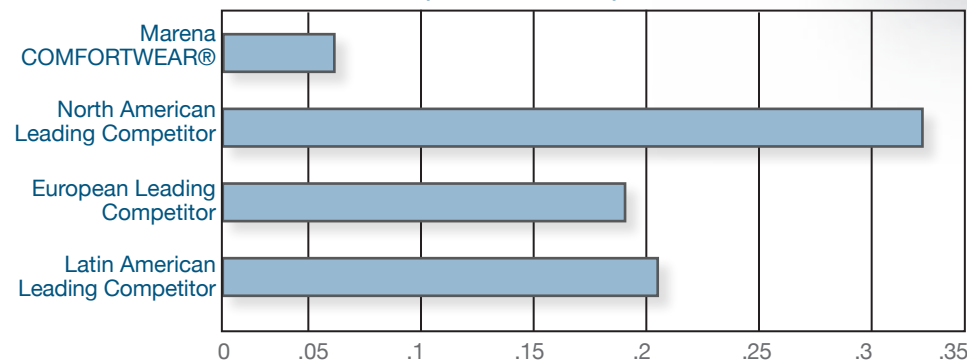


softness

Softness

ComfortWeave fabric molds like a second skin because it is made of a proprietary blend of INVISTA's LYCRASOFT® and TACTEL fibers, certified as the softest, best performing textile fibers available today.

Stiffness Chart (lower is better)

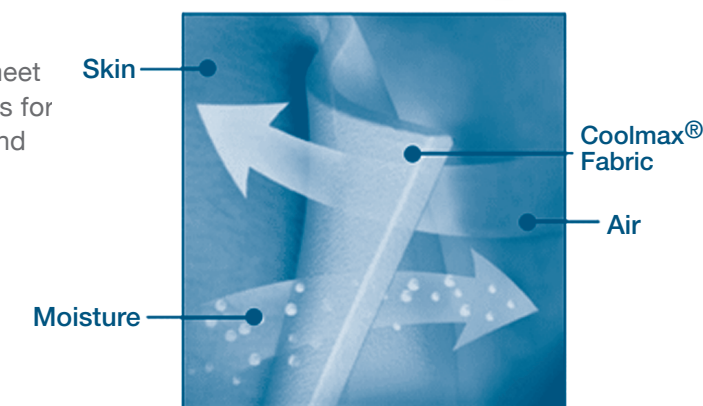


moisture management

Moisture Management

ComfortWear garments meet Invista Coolmax standards for dryness, cooling effect, and moisture absorption.

Coolmax® Comfort System

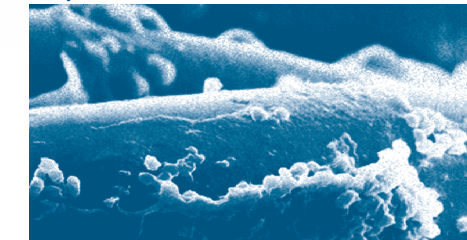


antimicrobial

Antimicrobial

The first and only compression garment with permanent antimicrobial agents, Marena ComfortWear inhibits the growth of bacteria, microbes, mold and mildew.

Unprotected Fiber



Protected Fiber

