

more **POWER** to you.



LYCRA® SPORT fabric is designed to move with you in all directions.

LYCRA® SPORT fabric has revolutionized sports apparel by delivering stretch and recovery power designed to help athletes move and perform at their best. It has been engineered specifically for sporting activities which require a combination of light weight, breathability, muscle support and freedom of movement benefits. Every LYCRA® SPORT fabric style is tested to meet demanding standards for elongation, fit and recovery power.

And we don't disappoint.

Our research shows that up to 70% of consumers across the world have been influenced in their sportswear purchasing decisions by the presence of a LYCRA® fibre hangtag, proving our fibre continues to be a differentiator to active men and women.

But don't just take our word for it.

In a series of three tests, we assessed the performance and durability of LYCRA® SPORT fabric, proving that they continue to deliver and meet demand for comfort and fit.



Test #1: The Performance Test

LYCRA® SPORT fabrics and fabrics with elastane were tested before and after 20 wash/dry cycles to assess fabric performance during the life of the garment.

Results

- The Performance Test revealed that LYCRA® SPORT fabric maintained its original properties better than those containing generic elastane, providing up to **3 times** better **muscle support, lasting fit and less bag and sag.**

Test #2: The Human Preference Test

Progressive Sports Technologies at the Loughborough University (UK) Sports Technology Institute conducted independent in-use garment tests comparing fabrics that passed LYCRA® SPORT fabric quality standards versus fabrics that did not pass them. Twenty athletic males of varying levels of sporting activity were presented pairs of leggings and asked which they preferred, both before and after wearing them in the lab.

Results

- Garments made of LYCRA® SPORT fabric were the athletes' choice for **freedom of movement.**
- Garments made of LYCRA® SPORT fabric was best in class for **comfortable fit.**

Test #3: Accelerated Wear Test

Progressive Sports Technologies conducted an independent accelerated wear study on leggings. One leg was made with LYCRA® SPORT fabric while the other featured a fabric with lower unload power. Each leg had equal levels of compression.

Leggings were worn over a two-week period for 50 kilometers of running, 60 hours of wear and 50,000 steps measured with pedometers. Measurements were taken daily to monitor the garment's performance before and after washing.

Results

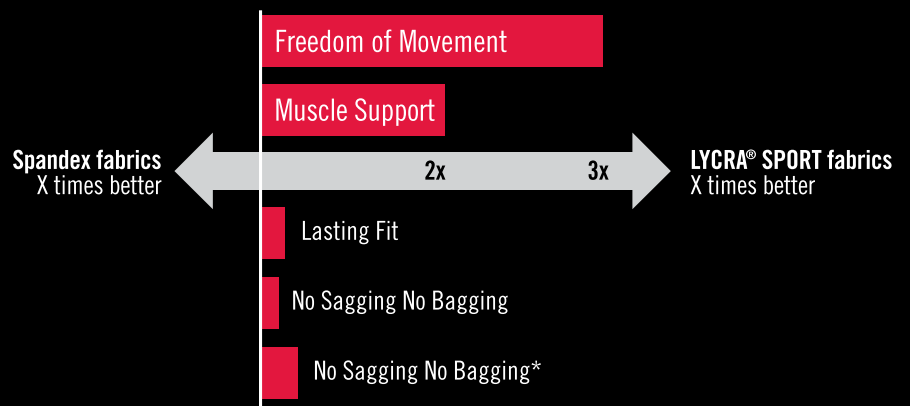
- LYCRA® SPORT fabric **only had a 2.7% average increase in width** compared to a staggering 9.7% average increase in the fabric with lower unload power.
- LYCRA® SPORT fabric had almost **no loss in recovery** (0.3%) over the two-week accelerated wear trial versus 17.3% shown by the fabric that failed the unload power standard.

Summary – fabric recovery and fit chart

The three tests prove that **LYCRA® SPORT fabrics outperform those that do not pass the quality standards**, maintaining original performance characteristics wash after wash, better than fabrics that do not pass the quality criteria.

The results speak for themselves, with garments made from LYCRA® SPORT fabric keeping their shape and maintaining recovery power during accelerated wear.

Comparative Average Performance (based on pass rate % of fabrics)



*with Warp Knit fabrics removed

That's why LYCRA® SPORT fabric is the number one choice for consumers when they're looking for freedom of movement and comfortable fit.

**the
POWER
to perform.**



www.LYCRA.com/SPORT