

Compression garments

ACCURATE PRESSURE MANAGEMENT ASSESSMENTS FOR SPECIALIZED COMPRESSION GARMENTS

Compression garments are increasingly popular in sportswear and wellness textiles. Engineered to apply targeted pressure to specific areas of the body, these garments offer benefits such as improved performance, accelerated recovery and enhanced comfort. Independent third-party testing is essential to verifying the efficacy of these garments, building consumer trust and differentiating products in competitive markets.

Accurate pressure measurement is fundamental to optimizing the effectiveness of compression garments. SGS offers expert testing services to rigorously assess your products against recognized industry standards, helping them achieve a high standard of quality and distinction in the marketplace.

What are compression garments?

Compression garments are predominantly made from knitted fabrics, often blends of polyester or nylon with elastane. They come in various forms, including leggings, tops, sleeves, socks and stockings, making them versatile for a variety of uses.

Key benefits*

- 1. Muscle support and stability** – stabilizes muscle contractions during movement, enhancing performance and reducing injury risk
- 2. Reduced soreness and fatigue** – promotes better circulation, alleviating soreness and fatigue, which aids in recovery
- 3. Comfort and freedom of movement** – comfortable and stylish, they allow freedom of movement in activities like yoga and sport
- 4. Reduction of muscle vibration** – by minimizing vibration, compression wear enhances comfort and reduces muscle stress during physical activities

*Performance apparel markets, third quarter of 2014

SGS solutions for testing compression garments

Our state-of-the-art methodologies allow us to accurately test and measure the pressure delivered by these garments to ensure effectiveness.

| TEST METHOD | DESCRIPTION |
|---|---|
| Pressure measurement of compression garments | In-house e-compression method using standardized manikins and pressure sensor probes. |
| Compression value of compression hosiery | BS 661210:2018 tests graduated compression hosiery, anti-embolism hosiery and graduated support hosiery FZ/T 73031:2009 for pressure socks |

These testing methods empower you to evaluate your product's performance and unlock valuable insights for refining the design and functionality of your compression wear. By ensuring that your products deliver the right balance of support and comfort, you can elevate performance and enhance the user experience.

WHY CHOOSE SGS?

We are the world's leading testing, inspection and certification company. With a global network of state-of-the-art laboratories and a team of dedicated professionals from diverse disciplines, we deliver comprehensive physical, chemical and functional testing for components, materials and finished products. Our expertise ensures your company meets the highest standards of quality, safety, sustainability and compliance with international, industrial and regulatory requirements. In the end, it's trusted because it's tested.

For more information or support regarding program development, please contact: Global.SL.DAMO.Platform@sgs.com

SGS

When you need to be sure