FUNCTIONAL WEAR SERIES – WEAR COMFORT

WEAR COMFORT – HARMONY WITH THE ENVIRONMENT

Wear comfort is a state of physiological, psychological and physical harmony between a human being and the environment. Consumers who have experienced the superior comfort of sportswear, will look for the same advantage in everyday leisure wear and active wear.

The trend towards the merging of multi-functionality wear comfort and fashion has resulted in the development of many different types of new high-tech fibres and materials, finishes and garment designs with remarkable functionalities like quick-dry and thermal resistance.

TESTING FOR WEAR COMFORT IS A CHALLENGE

Assessing the performance of wear comfort is challenging because of the complex interaction between the parameters affecting human comfort, encompassing environmental parameters, physiological and psychological factors.

With state-of-the-art wear comfort testing facilities and expertise, SGS can help to test fabric, fabric systems and finished garments to assess different aspects of performance that influence wear comfort. Our service capabilities include the following four aspects of wear comfort:
FUNDATIONAL WEAR SERIES – WEAR COMFORT
COMBINING COMFORT AND FASHION

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<th>ASPECTS OF WEAR COMFORT</th>
<th>SGS TESTING CAPABILITIES</th>
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| 1. Thermoregulation comfort | - Thermal resistance of fabric, clothing, sleeping bag, gloves  
- Water vapour resistance of fabric, clothing, gloves  
- Wicking  
- Drying rate  
- Liquid moisture management  
- Air permeability  
- Water vapour permeability |
| 2. Skin sensation comfort | - Instant cooling hand feel  
- Wool comfort meter  
- Wool handle meter  
- Electrostatic clinging |
| 3. Body movement comfort | - Compression pressure of garment & hosiery  
- Stretch & recovery |
| 4. Psychological comfort | - Deodorization |

Contact SGS Global Softlines now to find out how we can test wear comfort with our state-of-the-art functional testing equipment and for advice on improving the performance of your products.

ABOUT SGS

Headquartered in Switzerland, SGS is the world’s leading inspection, verification, testing and certification company. Founded in 1878, SGS is recognised as the global benchmark in quality and integrity. We operate a network of over 2,400 offices and laboratories around the world with nearly 95,000 employees.

SGS Global Softlines has an extensive network worldwide with a strong team of committed professionals from multi-disciplinary backgrounds. Our internationally accredited state-of-the-art testing laboratories offer a comprehensive range of physical, chemical and functional testing services for components, materials or finished products. We help your company ensure the quality and performance needs and comply with international, industrial and regulatory standards worldwide.

CONTACT US

To learn more about this service, please contact our representatives for more information

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