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# Transforming Athletic Sportswear: Phystep Incorporates Compo-SiL® Technology to Revolutionize Leggings

## *Cross-Industry Partnership Paves the Way for Industry-Defining Innovation*

**Hsinchu, Taiwan, October 24, 2023** - General Silicones (GS), a globally recognized leader in silicone products for over half a century, is thrilled to announce a transformative collaboration with Latvian activewear startup Phystep. By leveraging GS's state-of-the-art [Compo-SiL® silicone rubber technology](https://www.compo-sil.com/tech/), Phystep is redefining the meaning of sportswear.

Harnessing customized [silicone elastic film](https://www.compo-sil.com/product/elastic-film/), Phystep ingeniously integrates kinesiology into their design protected\* activewear. The groundbreaking Compo-SiL® adhesion technology propels this audacious endeavor, affording athletes an unparalleled edge—a 20% increase in caloric burn with every stride or stretch with their leggings.

### Elastic Film for Sportswear, Kinesiology Tape, and Therapy Applications

The Compo-SiL® SR series combines resilience, stretchability, and skin-friendliness in a durable material that retains shape and elasticity—even after extended wear and multiple washes.
"We've tried dozens of materials, but only Compo-SiL® SR series delivered the essential shape retention and skin-friendly features that set it apart in our industry." Agris Muskars, founder of Phystep.
Ideal for both medical and athletic applications, the SR series is the go-to choice for companies aiming to enhance their products with kinesiology taping or elastic therapeutic tape. Its versatility makes it suitable for a wide range of end-products, from medical and [sports protective gear to compression garments](https://www.compo-sil.com/choosing-the-right-silicone-for-sports-and-rehabilitation-goods/) and supportive apparel like leggings and joint supports.

### Seamlessly Integrating Compo-SiL® into Sportswear Manufacturing

The malleable properties of Compo-SiL®'s silicone rubber offer a vast canvas for innovation. The 1.4m wide, easy-to-cut Compo-SiL® sheets ship in rolls readily adaptable to existing roll-to-roll mass production. The patented technology of Compo-SiL® allows the silicon rubber to bond firmly and securely to textile surfaces through standard PUR or hot melt adhesion.
"Typical heat transfer materials come in sizes of 1m x 0.5m, which limits resource optimization. The Compo-SiL® SR series, however, is produced in a more accommodating 1.4-meter width, making it easier for us to cut efficiently." Agris Muskars, founder of Phystep.

### A Call to Product Innovators Across Industries

Phystep's pioneering application showcases the extensive versatility of Compo-SiL® technology. Beyond its current utility, Compo-SiL® sheets can be enhanced to incorporate various value-additions like antibacterial and antiviral functionalities, flame resistance, and anti-slip properties. GS encourages forward-thinking product managers across sectors to seize this moment to catalyze innovation and diversification through Compo-SiL®.

For more information on Phystep's groundbreaking offerings, visit [Phystep](https://phystep.com/).
For additional ideas on how Compo-SiL® technology can inspire your next product at [https://www.compo-sil.com](https://www.compo-sil.com/).
Inquiries from sourcing managers and manufacturers interested in exploring Compo-SiL® silicone products should contact the General Silicones sales team at compo-sil@gsweb.com.tw.

\*Phy-TP® RCD 015022132-0001

### About General Silicones

General Silicones (GS) was founded in 1970 in Taiwan and is now represented worldwide – including in Europe, China, Japan, and South-East Asian countries. GS is a major distributor of silicone materials and an active silicone products manufacturer with ISO 9001, IATF 16949, and ISO 14001 certifications. The company has manufacturing plants in Hsinchu, Taiwan; Wujiang, China; and Bac Giang, Vietnam. With decades of experience, GS provides a wide range of silicone products for many industries, including medical, automobile, consumer products, electronics, and IT. For more information about GS, please visit [www.generalsilicones.com](http://www.generalsilicones.com/). For more information on Compo-SiL®, please visit [www.compo-sil.com](http://www.compo-sil.com/)