

【Press release】

Odor & Bacteria-Control Technology Company Polygiene



THE NORTH FACE
2017 SPRING-SUMMER Collection
Offers Polygiene-Treated Socks



Leading company Polygiene (HQ located in Malmo, Sweden, with CEO Christian von Uthmann) has over 100 partner brands all over the world & is a leading Odor & Bacteria-Control Technology Company. From spring 2017, Goldwin's THE NORTH FACE has launched five new sock products treated with Polygiene technology.

These Polygiene-treated socks have been developed to cut odor and inhibit the growth of bacteria on the fabric to provide consumers with a strong odor and bacteria-controlled product. Over 30% of THE NORTH FACE 2017SS collection socks are Polygiene-treated, and there are plans to continue to develop this in the future.

The Polygiene treatment is an Odor & Bacteria-Control Technology. Sweat and perspiration is by itself odorless, but moisture and temperature increases bacteria on the fabric surface and this produces odor. Polygiene based on silver salt produced from recycled silver and the silver salt inhibits and guards against the growth of odors from microbes such as bacteria, and this permanent treatment is not affected by washing the garment, so keeps providing the odor-control results.

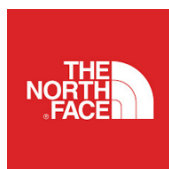
These newly launched products are being launched for purchase on the Goldwin Web Store <http://goldwinwebstore.jp/> as well as Japan nationwide Goldwin/THE NORTH FACE retail outlets and department stores from Spring 2017. Please see the next page for detailed product information.

THE NORTH FACE Product Outline

Sales Commence: Spring 2017

Made in Japan

Key product Benefits: Polygiene-treated socks developed to cut odor and inhibit the growth of bacteria on the fabric to provide consumers with a strong odor and bacteria-controlled product.

About THE NORTH FACE

Launched in 1966 in San Francisco, California. Since then it has established itself as one of the most trusted outdoor brands in the world, constantly pushing the technological envelope to new frontiers. Its signature lineups include high-end sleeping bags made with an abundance of high-quality goose down; Sierra Parkas, the origin of all down parkas; and Oval Intention, the world's first dome tent. Each of these is a testament to its relentless pursuit of high quality and performance. Goldwin holds the trademark rights for THE NORTH FACE in Japan and The Republic of Korea, and has a strategic partnership with THE NORTH FACE Inc. (US) to develop the brand's business in these countries.

URL: <http://www.goldwin.co.jp/tnf/>

For more information about Goldwin visit <http://www.goldwin.co.jp/en/corporate/info/ir>

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What is Polygiene

- The silver salt inhibits and guards against the growth of odors from microbes such as bacteria, fungus & mildew
- Polygiene particles have a large amount of silver ions per surface area. Due to the structure of the particles, very small amounts of silver are required for effective treatment
- Polygiene is based on silver salt (silver chloride) produced from recycled silver
- Silver chloride is naturally present in water and soil.
- No interference on skin - Polygiene is active only on the material's surface and does not interfere with the natural bacterial flora of the skin*

※Bluesign® approved - Demanding environmental certification with a life-cycle approach※on Oeko-Tex 100 (I-IV) list of approved products

*Hoefler D and Hammer T. Antimicrobial active clothes display no adverse effects on the ecological balance of the healthy human skin microflora, ISRN Dermatology, 2011, 369603

*Kawai K. Kawai method for testing skin irritation. Japan 2010



【Polygiene Company Overview】

- Company Polygiene AB
- CEO Christian von Uthmann
- Established 2006 (became independent from large specialty chemicals company Perstorp founded in 1881)
- Public Listing March 2016 (Stockholm Stock Market NASDAQ First North)
- Capital Fund Capital infusion of 25 mill SEK in the end of 2015
- Sweden HQ **Polygiene AB**
Stadiongatan 65, SE-217 62 Malmö, SWEDEN
TEL : +46 (0) 40 26 22 22
www.polygiene.com
- Japanese Distributor **Interworks Asia Co., Ltd.**
Bangkok HQ TEL : +66 2 185 2981
Japan HQ TEL : 06 6486 9119

PRODUCT NAME/ NUMBER	PRODUCT DETAILS IN ADDITION TO POLYGIENE-TREATMENT	SIZES	MATERIALS	COLOUR	PRICE INCL TAX
Trekking mid-weight Crew (unisex) NN81720 	Pile socks for trekking. 6 mixed blends including wool. Relatively thick pile with arch support, instep and achillies protector, meaning long-lasting protection and support.	XS S M L	Acrylic Nylon Wool Polyurethane	(CD) Charcoal x Dark Grey, (PM) Purple x Magenta, (BS) Sailor Blue x Sapphire, (PY) Peasant Blue x Yellow, (NB) Navy x Blue, (PL) Purple x Lilac, (PC) Bright Pink x American Cherry, (KG) Black x Light Grey	1,728 JPY
Fast-packing Low (unisex) NN81710  For low-cut shoes	Versatile-use socks from every day to trekking. The pile provides not only breathability for the arch, but they absorb impacts, and provide thermal benefits. Also with arch support.	XS S M L	Acrylic Nylon Wool Polyurethane	(SC) Silver Grey x Charcoal, (NB) Navy x Blue, (CW) Charcoal x Off-white, (BP) Blue x Smoked Pink, (GB) Greige x Brown	1,728 JPY
Fast-packing Quarter (unisex) NN81711  For mid-cut shoes		XS S M L		(NB) Navy x Blue, (BP) Blue x Smoked Pink, (GB) Greige x Brown	1,944 JPY
Fast-packing Quarter (kids) NNJ81711  For mid-cut shoes		JM JL		(NB) Navy x Blue, (BP) Blue x Smoked Pink, (GB) Greige x Brown	1,404 JPY
Traverse Cable Crew (unisex) NN81766 	Low gauge style fabric socks produced with high cotton content. Perfect for outdoor use and to combine with sandals, with insect-repelling technology. Versatile use thanks to the design and functionality.	S M	Cotton Acrylic Nylon Polyurethane	(N) Navy, (FG) Forest Green, (IG) Light Grey, (B) Beige, (O) Orange Peel	1,620 JPY