

SILKY DRY / SARAFINE Product Benefit, Materials Development

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SILKY DRY: Development

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“Feel Of Wearing Nothing”

Developed as a joint effort, UNIQLO and Toray Industries pushed fabric development to the limit to create SILKY DRY’s superfine microfiber technology.

The superfine fibers give SILKY DRY a fit like a second skin, without feeling tight or confining.

Coupled with the rapid wicking properties of the superfine microfiber technology, it feels like ‘wearing nothing.’

- ✓ Overturning the image of men’s underwear, this is the next generation of innerwear
- ✓ Developed with the idea of bringing the comfort and feeling of women’s intimates to men’s innerwear
- ✓ Smooth, lustrous finish, so comfortable you forget you have it on



SILKY DRY: Experiment

Draping Experiment



Silky Dry

従来ポリエステル

100%
Polyester

綿100

100% Cotton

- ✓ “Drape” refers to the way a fabric drapes or hangs on the body
- ✓ Hang SILKY DRY, 100% cotton, and 100% polyester off the edge of the table
- ✓ SILKY DRY is highly drapable, therefore it does not bunch or gather but hangs smoothly



SILKY DRY: Materials Development

Successfully combining “Surprisingly Smooth” with “Superior Drying Action”

- ✓ We successfully created a super smooth microfiber using cationic dyeable polymer
- ✓ “Like wearing nothing,” a surprising feeling that has not been previously experienced
- ✓ A smooth and lustrous fabric. Even though it may seem hot and sticky at first, it is actually cool and comfortable
- ✓ Developed jointly through a strategic partnership of Uniqlo and Toray Industries



SARAFINE: Development

Air-Conditioned Innerwear

UNIQLO's high-tech fabric combines Asahi Kasei's "Cupra" breathable fibers with tripot cross-section nylon from Toray Industries. Cupra quickly absorbs moisture, keeping you feeling dry and comfortable under your clothes. In combination with modified cross-section nylon, it creates a beautifully smooth and silky feeling next to your skin. It's the air-conditioning you wear.

- ✓ This is the next generation of women's intimates, raising the standard of existing women's intimates
- ✓ Developed for women who "hate both air-conditioning chills and sweating"
- ✓ Removes sweat at the humidity level to keep you dry and comfortable underneath your clothes



Women's SARAFINE: Experiment

Comparative Humidity Experiment

- ✓ We put SARAFINE and the current product in similar conditions and record the changes in humidity
- ✓ SARAFINE absorbs moisture from the environment inside the box, lowering the humidity
- ✓ In 60 minutes, the humidity in the SARAFINE box drops from 91% to 57%. The current product has produced no measurable effect



We successfully combined 2 of Japan's trademark high-tech fibers

- ✓ Taking a cue from air-conditioning's ability to reduce humidity, we began development
- ✓ We combined Asahi Kasei's breathable fiber Cupra and tripart cross-section nylon from Toray Industries. We went beyond superior drying action to make humidity reduction a reality.
- ✓ We re-made our sample fabric 64 times, sparing no expense in investigating how gentle it would be against women's skin.

