



novarel<sup>®</sup> 

**COSMETIC  
FUNCTIONAL  
NYLON  
FIBERS**

**NUREL**   
SYNTHETIC FIBERS

[fibers.nurel.com](http://fibers.nurel.com)

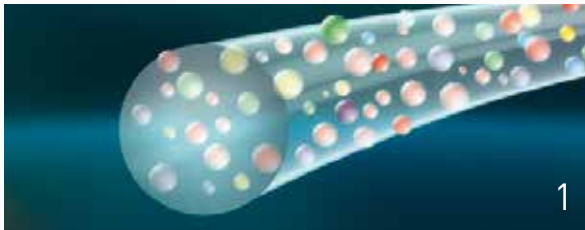
# NOVAREL<sup>®</sup> TECHNOLOGY PATENTED

A PIONEERING BREAKTHROUGH IN NYLON TEXTILE TECHNOLOGY

**NOVAREL** Nylon fibers contain embedded **cosmetic microcapsules** that help to maintain and enhance skin beauty.

## HOW DOES IT WORK?

Our **patented** microcapsules have been specially designed using nanotechnology to preserve and contain different kinds of active principles that help to maintain and enhance the skin beauty.



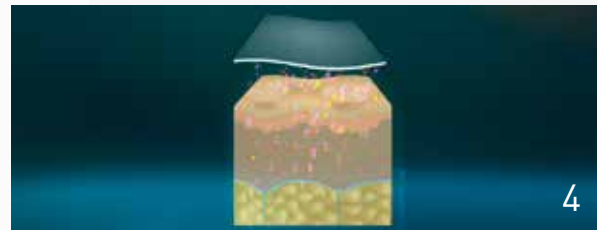
**NOVAREL Nylon microfiber**  
NUREL selects the most suitable cosmetics for each function. These cosmetics are microencapsulated.



**Microencapsulation Technology**  
Microcapsules are incorporated into the polyamide yarn during the spinning process; therefore they are fixed into and outside the Nylon filaments.



**Cosmetotextile Technology**  
NOVAREL fiber's cosmetic content is activated during the garment use.



**Cosmetic Nylon fibers**  
NOVAREL technology provides the skin with cosmetic benefits during the garment use.

## Prime quality active ingredients incorporated into the microcapsules

Our researchers have developed a unique method that incorporates cosmetics embedded into the nylon fibers in a **homogeneous way**.

During the garment use, **cosmetics are activated** to provide different benefits to the skin. These benefits have been **scientifically tested** by independent laboratories.

What makes our technology be distinctive?

- NOVAREL yarns incorporate registered cosmetics.
- Cosmetic benefits have been tested by independent labs.
- Resistant to a wide number of uses and washing cycles.
- Our technology is very versatile making possible to **incorporate a broad diversity of cosmetics**.
- Fabrics and garments made with **NOVAREL technology can follow the standard textile routes**.
- NOVAREL yarns maintain the quality aspect of the garments and **does not require any special packaging solution**.

### Applications

NOVAREL fibers are indicated for any fabric in direct contact with the skin.

**NOVAREL Fibers:**  
The real cosmetotextiles



Rose Hip Oil



Sweet Almond Oil



Aloe Vera



Vitamin E



Oleic Acid



Caffeine



Active Minerals



Retinol

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slim

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Helps to control  
**orange peel appearance**

**NOVAREL Slim** is a Nylon microfiber that incorporates a cosmetic aid to **control the orange peel appearance** during the use of the garment.

Our NOVAREL Technology, patented by NUREL, enables us to incorporate active principles inside the Nylon yarns.

### What is and what causes cellulite?

It affects approximately 90% of women. Cellulite is caused by clumps of fat filled cells that push against the skin tissue, giving an orange peel appearance to the hips, thighs, buttocks and abdomen.

### High quality ingredients

The cosmetic product contained in NOVAREL Slim microfibers combines a selection of ingredients **helping to control the undesirable** orange peel aspect:

**Caffeine, Retinol, Vitamin E and Active Minerals** as well as other ingredients such as Fatty Acids and Aloe Vera.

Scientifically proven efficacy  
AFTER 56 DAYS OF USE  
**17% skin ELASTICITY increase**

SATISFIES MOST USERS' EXPECTATIONS	
SKIN COMPACTNESS improvement	76% users
ORANGE PEEL aspect improvement	70% users
SKIN SMOOTH improvement	78% users

\*This product contains a cosmetic that is registered following European Regulation (EC) No 1223/2009.

### Prime quality active ingredients:



Active Minerals



Caffeine



Retinol



Vitamin E



Fatty Acids



Aloe Vera





novarel<sup>®</sup> firming  
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Helps skin  
firming

**NOVAREL Firming** is a Nylon microfiber that incorporates a cosmetic to **help the skin to maintain its flexibility** and to provide an anti-ageing skin effect during the garment's usage.

Thanks to the exclusive microencapsulation technology, developed by our R&D department, the active ingredients are embedded into the fiber.

#### Why does skin lose firmness?

From twenty years old, skin loses 1% collagen each year. The skin loses elasticity and at forty, firmness loss is a fact. Firmness loss is the first sign of skin ageing.

#### Cosmetic Ingredients

The cosmetic product contained in NOVAREL FIRMING yarns combines a selection of **ingredients to help the skin firm up**: Retinol, Oleic Acid, Active Minerals and other ingredients such as Aloe Vera and Fatty Acids.

#### Scientifically proven efficacy AFTER 28 DAYS OF USE

FIRMNESS improvement	20% users
ANTI-AGEING skin effect	73% users

\*This product contains a cosmetic that is registered following European Regulation (EC) No 1223/2009.

#### Prime quality active ingredients:



Active Minerals



Retinol



Oleic Acid



Fatty Acids



Aloe Vera

novarel<sup>®</sup>

aloe  
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Helps to  
moisturize the skin



**NOVAREL Aloe**, is a Nylon microfiber that incorporates a cosmetic based on Aloe Vera to help the skin **increase its hydration levels** during garment use.

Thanks to the exclusive microencapsulation technology, developed by our R&D department, the active ingredients are embedded into the fiber.

### Natural Ingredients

NOVAREL Aloe incorporates into the fibers natural origin cosmetic ingredients such as active minerals and Aloe Vera.

### What is Aloe Vera?

Aloe Vera is a natural extract from the Aloe Barbadensis plant. It is regularly used as an ingredient in skin care and is well acknowledged for its beneficial effects to the skin.

**Aloe Vera contains** more than 200 components that have multiple synergistic effects. These components include amino acids, anthraquinones, sugars, vitamins, minerals, etc.

Prime quality active ingredients:



Aloe Vera



Active Minerals

### Scientifically proven efficacy

Scientific study demonstrates  
AFTER 7 DAYS OF USE

**27% Significant moisturizing skin improvement**

SATISFIES MOST USERS' EXPECTATIONS	
SOFTER skin sensations	81% users
SUPPLER & SMOOTHER skin sensation	76% users



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**Anti-oxidant**  
benefits

**NOVAREL Anti-Ox**, is a Nylon microfiber that incorporates a cosmetic based on Aloe Vera and Vitamin E in order to help the skin **fighting against oxidation** during the garment use.

Our NOVAREL Technology, patented by NUREL, enables us to incorporate active principles inside the Nylon yarns.

#### Skin oxidation main causes

There are a variety of factors that can cause the skin to start ageing. A big part of this “premature skin ageing” is a result of free radical activity in the body. Environmental factors **such as, pollution and solar radiation** generate free radicals in the skin.

#### Anti-oxidant solutions

**Anti-oxidants**, such as **Vitamine E (tocopherol)**, are naturally occurring substances that may provide protection against the effects of damaging free radicals have on skin cells.

The effective combination of **Vitamin E, Aloe Vera and Active Minerals helps** to protect the skin from the oxidation effects.

#### Prime quality active ingredients:



Vitamin E



Active Minerals



Aloe Vera

#### Scientifically proven efficacy

Independent study demonstrates  
AFTER 28 DAYS OF USE

#### Proven ANTI-OXIDANT effect

SATISFIES MOST USERS' EXPECTATIONS	
SOFTER skin sensation	81% users
SUPPLER & SMOOTHER skin sensation	76% users
BETTER MOISTURIZED skin sensation	67% users

\*This product contains a cosmetic that is registered following European Regulation (EC) No 1223/2009.

NOVAREL Anti-Ox technology confers to fibers an **extra sun protection factor** than conventional Nylon fibers.



novarel<sup>®</sup> natural  
care  
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Helps to **moisturize**  
and provides **elasticity**  
Nourished and regenerated skin sensation

**NOVAREL Natural Care** is a Nylon microfiber that incorporates a cosmetic based of Rose Hip Oil and Sweet Almond Oil that helps moisturize, improves skin elasticity and provide a regenerated and nourished skin sensation during the use of the garment.

Our NOVAREL Technology, patented by NUREL, enables us to incorporate active principles inside the Nylon yarns.

### Natural origin ingredients

The cosmetic product contained in NOVAREL NATURAL CARE microfibers combines a selection of natural origin **ingredients** such as **Rose Hip Oil, Sweet Almond Oil and Active Minerals** in order to take care of the skin.

Rose Hip oil and Sweet Almond Oil have been used on the cosmetic industry for many years for their elastic, regenerating and moisturizing properties.

### Enhancing skin natural beauty

NOVAREL NATURAL CARE helps to **moisturize, tone and to enhance skin elasticity.**

Independent studies demonstrate that the continuous use of NOVAREL Natural Care garments provides a **nourished and regenerated skin sensation.**

### Prime quality active ingredients:



Rose Hip Oil



Sweet Almond Oil



Active Minerals

### Scientifically proven efficacy AFTER 56 DAYS OF USE

ELASTICITY skin increase	12% users
MOISTURIZING skin increase	13% users
TONICITY increase	80% users
STRETCH-MARKS visibility decrease	68% users
SATISFIES MOST USERS' EXPECTATIONS	
SKIN NOURISHED sensation	90% users

\*This product contains a cosmetic that is registered following European Regulation (EC) No 1223/2009.

A woman with long blonde hair, wearing a black strapless tube top and black shorts, stands in profile facing right. Her hands are raised to her face, shielding her eyes from the sun. The background is a bright, overexposed outdoor setting with a body of water in the foreground. Several smooth, dark stones are scattered in the water, creating ripples. A large, light blue diagonal shape is overlaid on the right side of the image.

novarel<sup>®</sup> minerals  
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Helps to **hydrate** and to  
provide an **energizing**  
**skin sensation**



**NOVAREL Minerals** is a Nylon microfiber that incorporates a cosmetic that contains pure concentrated mineral water and active minerals to help the **skin increasing the hydration levels** during the use of the garment.

Thanks to the exclusive microencapsulation technology, developed by our R&D department, microencapsulated active ingredients are embedded into the Nylon fiber.

### Deep moisturizing

Thanks to its high mineral concentration, NOVAREL Minerals helps to hydrate and provides an energy feeling to the skin.

### Pure concentrated mineral water

Water highly concentrated in minerals, is recommended for skin hydration, stimulation and soothing.

**Thermal Spring Water** from Thermes de Salies-de-Béarn in France, is 10 times more salty than ordinary sea water and is recognized as minero-medicinal by the French "Ministère de la Santé".

### Scientifically proven efficacy

AFTER 14 DAYS OF USE

**12% skin HYDRATION increase**

SATISFIES MOST USERS' EXPECTATIONS	
SKIN HYDRATION sensation	70% users
SKIN ENERGIZING sensation	65% users
SKIN SOFTNESS sensation	75% users

### Prime quality active ingredients:



Active Minerals



Thermal Water

novarel<sup>®</sup>

Q<sub>10</sub>  
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**Firmness, Elasticity  
& Moisturizing**

Antioxidant effect

**NOVAREL Q10** is a Nylon microfiber which incorporates a cosmetic based on Q10 that helps to improve skin **firmness, elasticity and moisturizing** during garment's usage. Proven **anti-oxidant effect**.

Thanks to the exclusive NOVAREL Technology, Active Minerals and Q10, are embedded into the Nylon fibers.

### Q10, a natural ingredient

Coenzyme Q10, also known as ubiquinone, is a natural component of the skin. Q10 is essential to help maintain and improve skin's elasticity.

### Skin elasticity reduction main causes

Elasticity is the skin's ability to stretch and go back to normal. Reduced skin elasticity is mainly caused by:

- Environmental factors: sun exposure or pollution
- Weight losses
- Lifestyle: smoking and stress
- Age & gender

### Benefits

NOVAREL Q10 helps to improve skin firmness providing elasticity and moisturizing and also has a proven Antioxidant effect\*\*.

### Prime quality active ingredients:



Active Minerals



Coenzyme Q10

### Scientifically proven efficacy AFTER 56 DAYS OF USE

ELASTICITY skin increase	10 users
MOISTURIZING skin increas	14% users
+ Skin Firmness	72% users
+ Skin Smothness	84% users
+ Skin Compactness	70% users
<b>SATISFIES MOST USERS' EXPECTATIONS</b>	
Feel an improvement in their skin softness, firmness, suppleness and elasticity	<b>+94%</b> of the users

\*This product contains a cosmetic that is registered following European Regulation (EC) No 1223/2009.

\*\* In vitro evaluation of the anti-oxidant activity.

# NOVAREL® Branding

HANG TAGS, FABRIC APPROVAL & GARMENT APPROVAL

## NOVAREL HANG TAGS

Labels are designed to **explain the NOVAREL Technology** and to ensure the authenticity of the garments.

If your fabric or garment is made of any of our NOVAREL yarns, you may be interested on our **branding service**.

Our **hang tags** are designed for the **final consumer** understanding and they are available in several languages.

Branding service is free of charge.

NOVAREL labels are provided **only for garments that fulfill our approval requirements**.

## Fabric approval requirements

**NOVAREL yarns** content on the fabric should be enough to provide the expected benefits. The side of the fabric in contact with the skin should have a **minimum content of 70% of NOVAREL Fibers**.

The **minimum quantity required** depends on factors such as fabric construction and composition.

## Garment approval requirements

**100% of the fabric** in contact with the skin should be made of an **approved NOVAREL fabric**, and should cover the whole body parts where the cosmetic action is expected.

Narrows, waistbands or cotton crotch areas could be made of other materials. The **minimum fabric content required** depends on the structure of each garment.

**NOVAREL analyzes and approves** the provided fabrics and garments with the unique purpose of allowing the use of our brand NOVAREL.



# NOVAREL® Certifications

QUALITY, EFFICACY & SUSTAINABILITY

## COSMETIC REGISTRATION

Every cosmetic incorporated into our **NOVAREL** yarns have a security dossier and a cosmetic registration according to the **EU REGULATION (EC) No 1223/2009**.

## INDEPENDENT EFFICACY STUDIES

The benefits claimed by our all our NOVAREL products have been **scientifically proven by independent labs**.

**In-vivo and in-vitro tests are carried out** by prestigious international laboratories specialized in cosme-to-textiles.

## QUALITY & SUSTAINABILITY

In accordance to our commitment with **Quality** and **Sustainability**, our plant has achieved the **ISO 9001, ISO 14.001 and ISO 50.001** certifications.

## OEKO-TEX® & REACH

All our products are **OEKO-TEX® Standard 100 Class I certified** ensuring that our products are tested for potentially harmful substances.

NUREL fully complies with **REACH** system in every respect ensuring that its raw materials suppliers in their turn comply with the applicable health and safety standards.





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