

CREORĀ  
Spandex

For all  
of us

CREORA PowerFit · CREORA Fresh · CREORA Color+ · CREORA Black · CREORA Highclo · CREORA EasyFlex  
CREORA 3D Max · CREORA Eco-Soft · CREORA Steamset+ · CREORA SiliconFree+

Stretching  
Beyond

CREORĀ  
Spandex

CREORA PowerFit  
High-Power Spandex/Elastane

CREORA  
PowerFit

KEY FEATURES

Active Stretch

Superior Shaping

Compression

FEEL THE POWER

CREORA PowerFit spandex provides high power and excellent heat resistance engineered to maintain fabric’s high stretch and recovery even setting at high temperature or during re-dyeing. It delivers outstanding deeper color and excellent fastness even after washing, when dyed with disperse dye stuff.

CREORA spandex is used in all product lines that require elasticity including activewear, swimwear, intimate apparel, ready-to-wear, denim and more.

You can experience excellent performance in products that require strong elasticity, such as shapewear or compression clothing.

DETAILS

Power Fit  
Feel the Power

CREORĀ  
Spandex

Active Stretch

Superior shaping

Compression

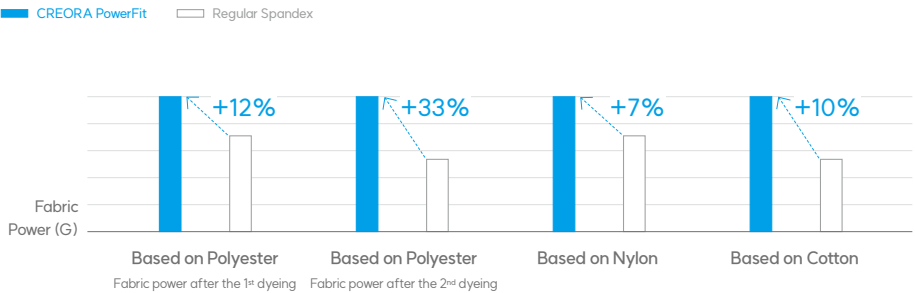
Other languages

CREORĀ is a registered trademark of Hyosung TNC Corporation for its brands of spandex, nylon and polyester.

HYOSUNG  
TNC

High Power

CREORA PowerFit spandex provides high power regardless of companion yarn type.



OFFERINGS(DENIER)

|    |    |    |    |    |     |     |     |     |     |      |      |
|----|----|----|----|----|-----|-----|-----|-----|-----|------|------|
| 20 | 30 | 40 | 55 | 70 | 140 | 280 | 420 | 560 | 840 | 1120 | 1680 |
|----|----|----|----|----|-----|-----|-----|-----|-----|------|------|

KEY FEATURES

Odor resistant

Active Stretch

Stay fresh

STAY FRESH  
ALL DAY LONG

CREORA Fresh is a deodorizing functional spandex that neutralizes the source of perspiration & foot odor.  
CREORA Fresh spandex’s deodorizing performance is built into the yarn, so it will never washout. It is economical as it provides a deodorizing effect with only 10–15% of the total fabric content and its performance benefits help to keep underwear, socks, sportswear, and stockings that are easily exposed to odors fresher for longer.

DETAILS

CREORA Fresh

Stay fresh all day long

CREORA Spandex

Odor resistant

Active stretch

Stay fresh

Color language

CREORA is a registered trademark of Hyosung TNC Corporation for its brands of spandex, nylon and polyester.

HYOSUNG TNC

Deodorization test

This product chemically neutralizes the substances that cause perspiration odor, such as ammonia and acetic acid, along with those that cause foot odor, such as isovaleric acid – removing these odors at the source.

Nylon

Fabric sample: C/K single Jersey  
(NY 91% + CREORA Fresh spandex 9%, 170gsm, 60inch)

CREORA Fresh

ISO Standard 17299

9270

9270

9895

10090

AmmoniaAcetic acidIsovaleric acidNonenal

Polyester

Fabric sample: C/K single Jersey  
(PET 91% + CREORA Fresh spandex 9%, 170gsm, 60inch)

CREORA Fresh

ISO Standard 17299

9270

9270

9895

10090

AmmoniaAcetic acidIsovaleric acidNonenal

When the deodorization test result is higher than the ISO standard 17299, it is evaluated as having deodorizing functionality.

Test fabric sample: C/K Single Jersey / TEST method: gas detecting tube

To achieve deodorizing properties, it is recommended to use CREORA Fresh at least 10–15% of the fabric.

OFFERINGS(DENIER)

|    |    |    |     |
|----|----|----|-----|
| 20 | 30 | 40 | etc |
|----|----|----|-----|

KEY FEATURES

Vivid color

Superior Shaping

Active Stretch

EXTRAORDINARY  
COLOR

CREORA Color+ spandex overcomes the difficulty of dyeing regular spandex blended with nylon and natural fibers. It can be dyed in acid (nylon) and reactive (natural fiber) dyes, allowing deep and vivid colors in everyday fabrics.  
The color remains stable without discoloration even after washing. And it helps achieve a more luxurious and high-quality fabric by preventing "grin-through", a characteristic that causes spandex to look gray when a fabric is elongated.

DETAILS

CREORA Color+

Extraordinary color

CREORA Spandex

Vivid color

Active stretch

Superior shaping

Color language

CREORA is a registered trademark of Hyosung TNC Corporation for its brands of spandex, nylon and polyester.

HYOSUNG TNC

Comparison of dye-ability in fabric

Nylon(Acid dyes)

Regular Spandex

CREORA Color+

Natural fibers(Reactive dyes)

Regular Spandex

CREORA Color+

OFFERINGS(DENIER)

|                                                  |    |    |    |    |     |    |     |     |     |
|--------------------------------------------------|----|----|----|----|-----|----|-----|-----|-----|
| H-550 Low heat settable & acid dyeable for nylon | 12 | 15 | 20 | 30 | 40  | 70 | 140 | 210 | 280 |
| H-350A Higher power & acid dyeable for nylon     | 20 | 30 | 40 | 70 | 140 |    |     |     |     |
| H-350C Reactive dyeable for natural fibers       | 20 | 30 | 40 | 70 |     |    |     |     |     |

CREORA Black

Black Spandex/Elastane

CREORA  
Black



KEY FEATURES

Blacker black

Reduced water use

Active Stretch

ABSOLUTE BLACK  
WITH POWER

CREORA Black spandex creates deeper and richer black fabrics blended with spandex. Hyosung’s water-saving dope-dye process is the secret to CREORA Black spandex’s ability to provide an all-over black color that helps to prevent fabric grin-through, a situation where spandex looks gray when a dark color fabric is elongated.

With CREORA Black spandex, various design effects, such as stripes and tone-on-tone, can be added to fabrics without a separate dyeing process, resulting in water-saving benefits. CREORA Black is used in a variety of apparel, from sports and outdoor clothing to everyday clothing such as activewear, shapewear, intimate apparel, socks and hosiery.

DETAILS

Black

Absolute black with power

CREORA Spandex

Blacker black

Reduced water use

Active stretch

Other languages

CREORA Spandex

HYOSUNG TNC

Elimination of grin-through

Prevent Grin-through

Regular Spandex

CREORA Black

Deeper and darker black in fabric

Color depth

Spandex A

Spandex B

CREORA Black

Fabric

Spandex A

Spandex B

CREORA Black

Only Spandex

|                   |    |    |    |    |     |     |     |     |      |      |  |
|-------------------|----|----|----|----|-----|-----|-----|-----|------|------|--|
| OFFERINGS(DENIER) |    |    |    |    |     |     |     |     |      |      |  |
| 20                | 30 | 40 | 55 | 70 | 140 | 420 | 560 | 840 | 1120 | 1680 |  |

CREORA Highclo

Chlorine resistant Spandex/Elastane

CREORA  
Highclo



KEY FEATURES

Chlorine Resistant

Durability

Lasting Fit

LONGER LASTING FIT  
FOR SWIMWEAR

CREORA Highclo spandex is a chlorine resistant spandex with high power. The elasticity of swimwear worn in a pool gradually decreases over time. This is due to the chlorine added as a disinfectant to swimming pool water, which degrades spandex. CREORA Highclo spandex is resistant to chlorine and is more durable than conventional spandex often used in swimwear, allowing you to wear your swimsuit longer. Its excellent compression maintains swimwear’s enduring shape and a firm fit – even at higher temperatures.

DETAILS

Highclo

Longer lasting fit for swimwear

CREORA Spandex

Chlorine resistant

Durability

Lasting fit

Other languages

CREORA Spandex

HYOSUNG TNC

Chlorine resistance test

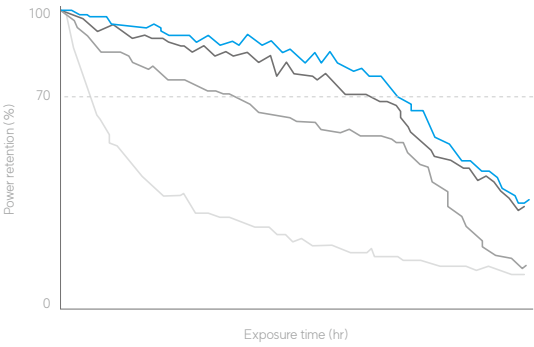
CREORA Highclo spandex is not easily damaged by chlorine and maintains long-lasting durability.

CREORA Highclo

Chlorine resistant Spandex A

Chlorine resistant Spandex B

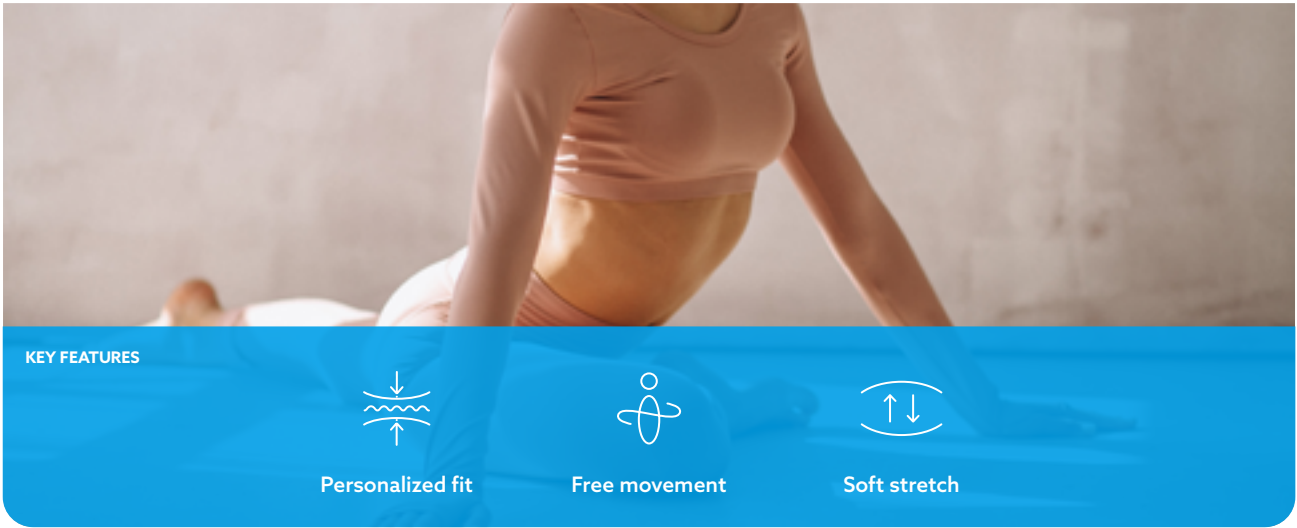
Regular Spandex



CREORA Highclo

non-chlorine resistant Spandex/elastane

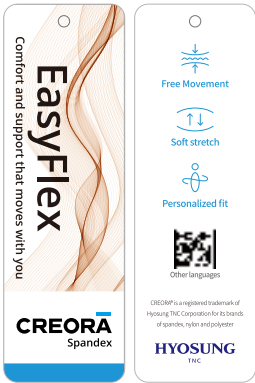
|                   |    |    |    |    |  |  |  |  |  |  |  |
|-------------------|----|----|----|----|--|--|--|--|--|--|--|
| OFFERINGS(DENIER) |    |    |    |    |  |  |  |  |  |  |  |
| 20                | 30 | 40 | 55 | 70 |  |  |  |  |  |  |  |



COMFORT AND  
SUPPORT THAT MOVES  
WITH YOU

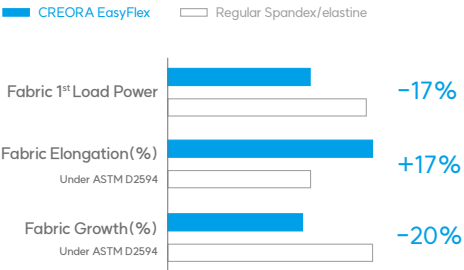
CREORA EasyFlex spandex stretches easily providing a luxuriously soft feel on the body. It stretches more smoothly than conventional spandex and shows excellent recovery allowing you to move more comfortably and freely in everyday items such as hoisery, socks, underwear, leggings, and active wear. While CREORA EasyFlex spandex maintains a long-lasting comfortable fit, it also allows for size inclusivity where one size has the ability to fit various body types.

DETAILS



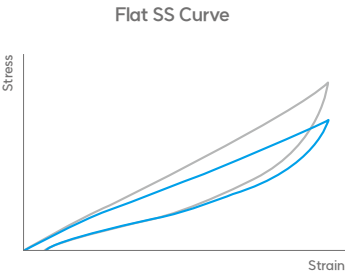
**Soft stretch**

CREORA EasyFlex spandex provides high elongation with low force.



**Shape stability and Excellent recovery**

CREORA EasyFlex spandex covers a variety of sizes in one size due to its shape stability and excellent recovery, providing a personalized fit.



|                   |    |    |    |    |     |     |     |     |     |
|-------------------|----|----|----|----|-----|-----|-----|-----|-----|
| OFFERINGS(DENIER) | 20 | 30 | 40 | 70 | 120 | 140 | 180 | 640 | 840 |
|-------------------|----|----|----|----|-----|-----|-----|-----|-----|



FOR DENIM  
YOU WANT TO  
LIVE IN

CREORA 3D Max spandex for denim has excellent elasticity and recovery allowing the creation of high-stretch denim with only 2% spandex content. CREORA 3D Max spandex delivers high-performance stretch and recovery with a very small portion of spandex content uniquely allowing the garment to be recycled. CREORA 3D Max creates a natural and smooth fit for denim products by helping to solve the ‘puckering issue’ where small wrinkles appear on the seam line after sewing.

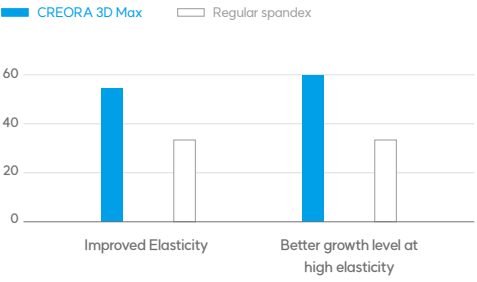
• Source: The Jeans Redesign Initiative

DETAILS



**Optimized stretch and shape stability**

CREORA 3D Max spandex’s excellent recovery improves the elongation of denim fabric while providing shape stability that returns to its original state and does not lose its shape even after long-term wear.



**Sustainability**

The optimized stretch and recovery of CREORA 3D Max spandex allows the production of denim fabric with excellent stretch with just 2% spandex content and meets the standards for recyclable denim. (proportion of synthetic fibers in the fabric <2%).



|                   |    |    |
|-------------------|----|----|
| OFFERINGS(DENIER) | 50 | 80 |
|-------------------|----|----|

# CREORA Eco-Soft

Low heat settable Spandex/Elastane

CREORA

Eco-Soft

KEY FEATURES

Soft touch

Energy saving

Comfort stretch

ECO-FRIENDLY  
SOFTNESS AND  
WHITENESS

CREORA Eco-Soft spandex is a low-temperature setting stretch yarn that can be set at a temperature of about 10 to 15 degrees Celsius lower than regular spandex. This product helps to prevent fabric yellowing and heat damage at high temperatures, resulting in vivid white fabric.

Low-temperature setting adds a soft texture to the fabric and helps to prevent deformation such as curling of the fabric, increasing shape and dimensional stability.

CREORA Eco-Soft spandex lowers energy costs by reducing the use of fossil fuels in the setting process during fabric manufacture.

DETAILS

Eco-Friendly softness and whiteness

Eco-Soft

Spandex

CREORA

Spandex

Soft touch

Energy saving

Comfort stretch

Other languages

CREORA® is a registered trademark of Hyosung TNC Corporation for its brands of spandex, nylon and polyester.

HYOSUNG

TNC

Low heat settable

- CREORA Eco-Soft spandex can reduce setting temperature by 10~15°C compared to regular spandex whilst maintaining the fabric's light weight and power.
- By preventing yellowing at high temperatures, you can obtain a clearer white fabric.

CREORA Eco-Soft

Regular Spandex

Item

Cotton CM 40's + Eco Soft 20D

Kntting Construction

32" x 2.8G x 96F

185°C

194°C

Setting temperature

170

50

52

Weight (G/M²)

Power (G)

OFFERINGS(DENIER)

|    |    |    |    |    |     |     |
|----|----|----|----|----|-----|-----|
| 20 | 30 | 40 | 55 | 70 | 140 | 280 |
|----|----|----|----|----|-----|-----|

# CREORA Steamset+

Steam settable Spandex/Elastane

CREORA

Steamset+

KEY FEATURES

Soft stretch

Superior stability

Comfortable fit

COMFORTABLE FIT  
BY STEAM SETTING

CREORA Steamset+ spandex is steam settable stretch fiber used for socks, stockings, seamless products, and more. It improves the dimensional and shape stability of a final product.

OFFERINGS(DENIER)

|    |    |
|----|----|
| 15 | 20 |
|----|----|

# CREORA SiliconFree

Silicone free Spanex/Elastane

CREORA

SiliconFree

KEY FEATURES

Silicon Free

Superior Shaping

CREORA SiliconFree spandex is silicone-free unlike regular spandex. It was developed for use in products for consumers sensitive to silicone and is mainly used in automobile painting gloves and medical bands.

OFFERINGS(DENIER)

|    |     |     |     |     |
|----|-----|-----|-----|-----|
| 70 | 140 | 210 | 420 | 840 |
|----|-----|-----|-----|-----|

HYOSUNG TNC PRODUCT CATALOG

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