



PREMIÈRE VISION PARIS

1-3, SEPTEMBER, 2026

Innovation & technology

CREORĀ

Functional performance, enhanced versatility

rêgen BLO

Your bio transition, powered by sugarcane

rêgen

Innovation for a better tomorrow



Booth
2538

HYOSUNG TNC



**Bio-based innovation
redefines the future
of stretch only when it
can be scaled.**

The transition to bio-based materials requires more than innovation. It requires manufacturing capability.

As the world's leading spandex manufacturer, Hyosung combines decades of production expertise with the industry's first integrated bio-based spandex platform from renewable Bio-BDO to PTMG and spandex.

This integrated value chain enables consistent quality, reliable global supply and commercial-scale adoption.

regen™ BIO Elastane

regen BIO

Your BIO Transition Starts Here



Decarbonizing textiles begins beyond the factory.

As brands work toward climate targets, attention is shifting from how materials are made to what they are made from. regen™ BIO supports this transition by replacing fossil-derived feedstock with renewable sugarcane while maintaining the performance and manufacturing compatibility brands already expect.

regen™ BIO is a drop-in bio-based spandex that changes the source – not the performance.

Only the feedstock changes.

The stretch performance, manufacturing process and commercial reliability brands already expect remain unchanged.

Benefits

Renewable Feedstock

Renewable sugarcane replaces fossil-derived feedstock for approximately 70% of the spandex content, supporting a transition away from finite fossil resources.

Drop-In Solution

Designed for existing manufacturing processes. No changes are needed for knitting, dyeing or finishing.

Commercial Scale Supply

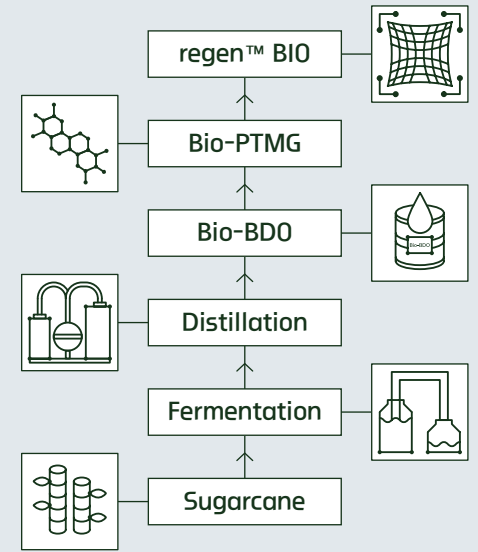
Produced through Hyosung's vertically integrated bio-based production platform in Vietnam, delivering the reliability and scalability required for global commercial programs.

Verified Feedstock

Made with non-GMO sugarcane verified through the VIVE Sustainable Supply Program.

“regen™ BI0 begins with what the product is made from.”

Process



Suggested Applications

Designed for all apparel categories



Recommended yarn combinations

regen™ BI0 + Cotton/Wool or Cellulosic fiber

- A harmonious blend of nature-derived materials for conscious comfort.

Certification & Verification

Verifies bio-based content and biomass-balanced MDI.

Supports feedstock traceability through data-driven verification at the raw material source.

Scientifically measures bio-based content using Carbon-14 analysis.

Tests for harmful substances to meet internationally recognized human-ecological safety requirements.

Type

Type	Conventional Spandex	regen™ BI0+	regen™ BI0 Max
Raw material 1 (PTMG from BDO)	100% Fossil Fuel (Chemical Process)	Sugarcane (Fermentation process)	
Raw material 2 (MDI)	100% Fossil Fuel	100% Fossil Fuel	Low carbon impact MDI
Bio based content of Elastane	0%	70%	70%
Carbon reduction (estimated*)	Baseline	-45%	-55%
Supply Stability	Moderate	High	Order-based
Physical properties	=		
Spec	Luster SD	20,30,40,55,70,105,140, 210,280,420,560,840,1120	
	Luster Black	20,30,40,55,70	

* Final figures will be validated and updated based on a third-party Life Cycle Assessment (LCA)

Hyosung's Cooling Technology

Cooling isn't achieved through a single approach.

Different wearing environments require different ways of managing heat and moisture.

Hyosung's Cooling Technology offers multiple approaches to cooling, allowing brands to choose the right solution for different products, environments, and wearing needs. From cool-to-the-touch comfort through rapid heat transfer to lasting cooling comfort through moisture control, every technology is engineered to deliver cooler, fresher, and more comfortable apparel.

Cooling Technology

regen

Cooling starts within.
Cooling isn't added.
It's engineered into the fiber.



Cool-to-Touch Cooling Technology

regen™ Aqua-X | regen™ Askin

Engineered with a unique cross-sectional structure and embedded cooling minerals, Aqua-X Nylon and Askin Polyester rapidly transfer body heat away from the skin to deliver cool-to-touch comfort.

- Key Benefits**
- Cool-to-the-touch comfort
 - Quick drying
 - Enhanced UV protection
 - Improved opacity in light-colored fabrics



Moisture Control Cooling Technology

CREORA® Coolwave

Featuring a hydrophilic polymer integrated within the fiber, CREORA® Coolwave naturally absorbs moisture from the surrounding air to help maintain lasting cooling comfort and freshness throughout wear.

- Key Benefits**
- Long-lasting cooling comfort
 - Fresh all-day comfort
 - Enhanced wearing comfort

Suggested Applications



Cooling Performance T-Shirt

- Daily wear, Commute, Light Work-out



Aqua-X or Askin + Cotton

- Back side (skin contact): Cooling yarn - Nylon (Aqua-X) or Polyester (Askin) for direct contact cooling & moisture wicking.
- Front side: Cotton face for a natural look and soft hand feel.

Type

regen™ Aqua-X

Item	Denier	Filament	Luster
FDY	20	24	BRT, FD
	30	34	
	35	24	
	40	34	
	50	24	
DTY	70	48	FD
	40	24, 34	
	70	68	
	140	136	

regen™ Askin

Item	Denier	Filament	Luster
SDY	30	36	FD
	45	24	
	50, 65	72	
	75	36	
DTY	50, 65	72	FD
	75	36	

CREORA® Coolwave

Item	Denier	Filament	Luster
FDY	25	24	FD
	40	34	
	70	68	
DTY	40	34	FD
	70	68	

The recycled version of regen™ is available on an order basis.

regen™ Luchera

Soft Light.
Deep Shine.

Creates visual depth that elevates everyday fabrics with refined elegance.

regen

A premium (recycled) nylon engineered to create a distinctive deep luster with a soft touch and everyday comfort.

Luxury today is defined not by brilliance, but by depth.

As fashion moves toward quiet elegance, brands are seeking materials that create a refined visual presence rather than excessive shine.

Luchera features a uniquely engineered cross-section that softly diffuses light to create its signature deep, refined luster. The result is a fabric with elegant visual depth, a smooth hand feel, and everyday comfort - bringing quiet sophistication to modern apparel.

Benefit

Luxurious luster

A uniquely engineered cross-section softly diffuses light to create Luchera's signature deep, refined luster.

Soft Touch

Smooth against the skin for elevated everyday comfort.



Suggested Applications



Casual wear



Activewear, Sportswear



Lingerie & Intimates

Luchera

Item	Denier	Filament	Luster
FDY	20	17	BRT
	30	24	
	40	34	
	50	48	
	70	68	

The recycled version of regen™ Luchera is available on an order basis.



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