



**PASSION FOR
ACTIVEWEAR & LINGERIE**

Best- in- class system solutions
for polyamide & polyamide
elastane fabrics



/ How do we
bring **best-in-**
class expertise,
sustainability
and performance
to **activewear**
& **lingerie?**

CREATING SUSTAINABLE SOLUTIONS

At Archroma, we continuously challenge the status quo in the deep belief that we can make our industry sustainable.

Archroma is committed to developing innovative products and processes that are safer for the consumer and for the environment. We strongly believe, based on our extensive experience in textile processing, that sustainability can generate innovation, performance and often lead to cost reductions and added value for our customers. For this reason, our clear ambition is to offer our customers the best possible system for their textile segments.

Innovation is a core competence of Archroma, which ensures that our products and services meet future demands, foster future technologies and contribute to a more sustainable textile industry.

As a global leader in color and specialty chemicals with a trusted heritage, we offer bespoke product solution systems and innovations. We strive to be a reliable partner for textile mills as well as major retailers and brands for the whole textile chain – **from the first idea to the final article.**

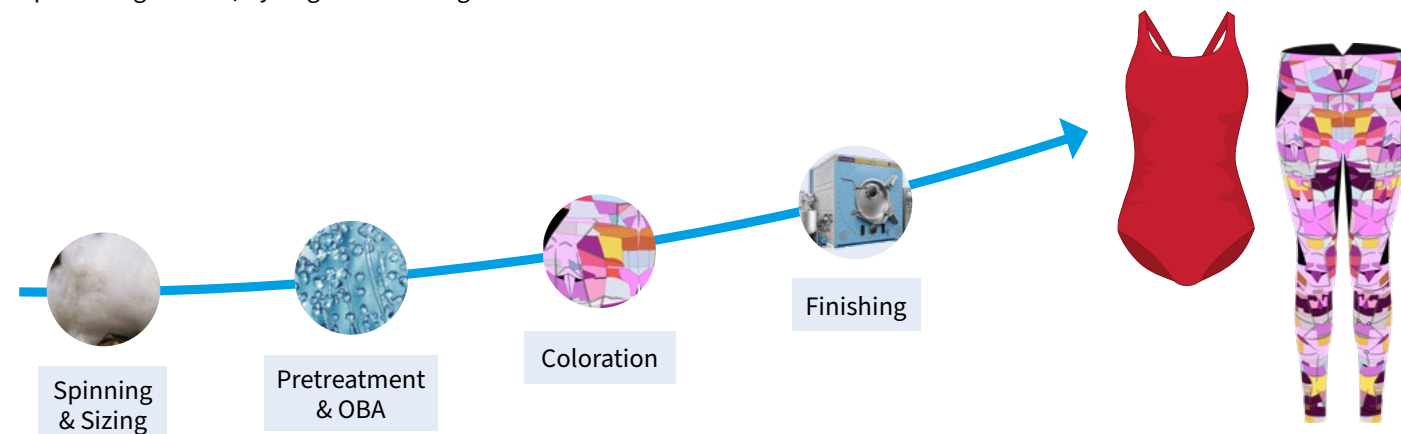
Brand owners and retailers around the world are taking action to evaluate the environmental impact of textile treatment, dyeing and finishing processes in response to consumer concerns. We can support textile manufacturers with this. Our exclusive ONE WAY Process Simulator can be used to simulate and compare products and processes, and thus calculate the ecological and economical profile of the final end-product.

/ ABOUT US

Archroma is a **global color and specialty chemicals** company committed to innovation, world-class quality standards, high service levels, cost-efficiency and sustainability.

From fiber to finish, Archroma plays a key role throughout the entire textile supply chain, with special system solutions for spinning, sizing, pretreatment, optical brighteners, dyeing and finishing.

At Archroma, **we share your passion for activewear & lingerie**, and we bring our expertise, innovation power and our commitment to sustainability into developing cutting-edge technologies and products to support your needs.



Archroma has specialized Competence Centers bringing to our customers:

- A hub of knowledge, R&D, expertise, technology and creativity support;
- A wide range of testing and consulting services in the **synthetics & wool, cellulosics, printing, finishing & denim segments**;
- A complete system offering thanks to our unique combination of expertise in spinning, pretreatment, coloration, as well as finishing;
- Access to global and regional knowledge and expert network for seamless support in global supply chain management;
- Comprehensive training centers for our affiliates, partners and customers.

At Archroma, we continuously challenge the status quo in the deep belief that we can make our industry sustainable.

The majority of Archroma's products are certified by some of the most important eco-standards, such as:

- bluesign®
- Oeko-Tex®
- GOTS
- ZDHC
- REACH
- EU Ecolabel
- C2C
- RSL
- MRSL

/ SPINNING & SIZING

Flexibility on demand

At the beginning of the textile chain, Archroma's spin finishes provide outstanding processing performance to all kinds of filaments and fibers. We combine our chemistry knowledge and yarn manufacturing

Archroma's spinning agents

- Spin finish **Afilan®**
- Softeners, lubricants and antistatic agents **Leomin®**

experience to develop our high performance and innovative **spin finishes and sizing systems**, aimed at addressing the specific demands of our customers.

Archroma's sizing agents

- Sizing agent **Arkofil®**
- Additives **Trefix®**

/ PRETREATMENT & OBA

A heritage of performance

Pretreatment has always been a core competence in Archroma and our past heritage. We believe that a textile treatment process must be simple, robust and highly reliable.

With Archroma's **pretreatment and optical brightening systems**, you will be able to obtain a perfectly prepared fabric and achieve the whiteness and the shade that you need, with high fastness level.

Archroma's pretreatment agents

- Antifoam agent **Antimussol® HT2S liq**
- Wetting, deaerating agent **Leonil® EHC liq c**
- Dispersing & sequestering agent **Lufibrot® MSD liq**
- Detergents agents **Kieralon® F-MFB liq**

Archroma's optical brightening agents

- OBA for Polyamide **Ultraphor® PN liq** (neutral reddish)
- **Ultraphor® PNB liq** (bluish)
- **Ultraphor® PR p c** (neutral reddish)
- **Ultraphor® PWCR p** (neutral reddish)

Archroma is a recognized leader in **integrated solutions for coloration**. Our portfolio includes systems designed to address the specific requirements for all types of polyamide & polyamide elastane fabrics.

Archroma's metal free dyestuffs

Nylosan® S	Nylosan® F	Nylosan® N	Nylosan® E
<ul style="list-style-type: none"> Super-Fast acid dyes with very good combinability, very high build-up (even on microfiber) and very good to excellent wet fastness properties 	<ul style="list-style-type: none"> Fast acid dyes with highly brilliant shades but limited combinability, moderate to good wet and light fastness properties 	<ul style="list-style-type: none"> Neutral dyeing acid dyes with good to excellent combinability and intermediate light and wet fastness properties 	<ul style="list-style-type: none"> Migrating acid dyes with good level dyeing properties High light-fastness in pale shades
<ul style="list-style-type: none"> Nylosan® Brill Yellow S-10G Nylosan® Yellow S-L Nylosan® Orange S-3R Nylosan® Red S-GS Nylosan® Brill Red S-3R Nylosan® Red S-B Nylosan® Red S-3B Nylosan® Blue S-R Nylosan® Navy S-3R Nylosan® Black S-3N 	<ul style="list-style-type: none"> Nylosan® Yellow F-7GL Nylosan® Scarlet F-3GL 130 Nylosan® Red F-4BL Nylosan® Red F-5B 150 Nylosan® Red F-6B 140 Nylosan® Violet F-BL 180 Nylosan® Blue F-L 150 Nylosan® Blue F-2RFL 160 Nylosan® Blue F-GBLN 180 Nylosan® Brill Blue F-CLA Nylosan® Green F-BLN Nylosan® Brill Green F-6GLN 	<ul style="list-style-type: none"> Nylosan® Yellow N-4GL Nylosan® Yellow N-3RL Nylosan® Orange N-RL 250 Nylosan® Red N-2RBL Nylosan® Brill Red N-BG 125 Nylosan® Rubine N-5BL 200 Nylosan® Brill Blue N-FLB 180 Nylosan® Blue N-BLN Nylosan® Blue N-5GL 200 Nylosan® Green N-GL Nylosan® Navy N-RBL 220 	<ul style="list-style-type: none"> Nylosan® Brill Flavine E-8GZ 125 Nylosan® Yellow E-4G 200 Nylosan® Yellow E-2RL Nylosan® Yellow E-4RL Nylosan® Red E-BNLC Nylosan® Rhodamine E-B 300 Nylosan® Violet E-2R 300 Nylosan® Blue E-2R 200 Nylosan® Blue E-BGL 200 Nylosan® Blue E-2GL 200

> Spotlight on **COLOR CARESS**, a nylon dyeing system that ensures your difficult colors are the same every time even with high stretch

Archroma's dyeing auxiliaries

<ul style="list-style-type: none"> Antifoam agent Antimussol® HT2S liq 	<ul style="list-style-type: none"> Levelling agent Lyogen® PAM liq Lyogen® NH liq Lyogen® P liq c (anti-barré) Lyogen® CN liq (anti-barré) 	<ul style="list-style-type: none"> Acid buffer Opticid® PSD lid c Acid Donor Opticid® VS liq c Opticid® VN liq 	<ul style="list-style-type: none"> Fixing agents Nylofixan® HF liq/liq c Nylofixan® P liq Optifix® CLC liq Washing-off agent Ekalin® F liq
<ul style="list-style-type: none"> Wetting, deaerating agent Leonil® EHC liq c 			
<ul style="list-style-type: none"> Lubricant agent Imacol® PAM liq Imacol® X-JET 			

Archroma's metal complex dyestuffs

Lanasyn® S/Lanasyn® SD

- Mono-sulphonated dyes
- Good light and very good wet fastness

- Lanasyn® Yellow S-2GL
- Lanasyn® Red S-GA
- Lanasyn® Navy S-BLA
- Lanasyn® Dark Brown S-GLN
- Lanasyn® Grey S-BLA
- Lanasyn® Black S-BGLC** 200
- Lanasyn® Black S-GL**
- Lanasyn® Black SD-L liq**
- Lanasyn® Black SD-L 120**
- Lanasyn® Black SD-L 170**

Suitable for Swimwear

- Good fastness to sea water bleeding and chlorinated water fastness

Suitable for Lingerie

- Good washing and heat stability

- | | |
|---|--|
| <ul style="list-style-type: none"> Lanasyn® Yellow CF-S Lanasyn® Red CF-S Lanasyn® Blue CF-S Lanasyn® Grey CF-S | <ul style="list-style-type: none"> Lanasyn® Yellow CF-L Lanasyn® Red CF-L Lanasyn® Blue CF-L Lanasyn® Grey CF-L Lanasyn® Black CF-L |
|---|--|

> Spotlight on **COLOR VIBE**, a system for nylon sportswear to maintain color vibrancy, time after time, wash after wash



Discover Archroma Printing portfolio & system solutions in our "Passion for Printing" brochure.

Innovative and tailor-made solutions

For **activewear** fabrics Archroma is a key player for high quality applications, requiring state-of-the-art special effects while ensuring safety and performance standards are maintained.

In **lingerie**, delivers a sensational touch, whilst allowing all levels of luster to be achieved from high shine to matte.

Archroma's wide portfolio of finishing products ranges from world-class sewability improvers, wider range of softening and full range of functionality systems for water-repellency and anti-microbial. All in one to help to create value in any end market.



Archroma's performance and finishing solutions

Protection

- Fluorine free water & juice repellent
Smartrepel® Hydro AM liq
Smartrepel® Hydro PM liq
- Oil & water repellence/soil release
Nuva® N 2155 liq
Nuva® N 2159 liq
Nuva® N 4547 liq
- Protection against yellowing
Umidol® APY liq
Umidol® NYX liq
Umidol® UW pwd
- Antistatic agent
Elfugin® AKT liq

Odor management

- Odor control/Hygiene
Sanitized® T 11-15
Sanitized® T 27-22 Silver
Sanitized® TH 27-24
Sanitized® Odoractiv 10

Moisture management & thermocontrol

- Moisture management
Hydroperm® RPU New liq c
Hydroperm® APA liq
- Special finishes
coldblack®* finish

Softening

- Silicone softening
Siligen® SIH liq (micro)
Siligen® SIH-S New liq (macro)
Solusoft® NUP liq (macro)
Siligen® EH1 liq (macro)

- Elasticity improvement
Solusoft® NUP liq

- Sewability improvement
Ceralube® SVN liq
Ceralube® PHD liq c
Ceralube® AKT New liq c

Finishing specialties & additives

- Wetting agents
Kieralon® MRN liq c
Fluowet® UD liq
- Foam control
Antimussol® UDF liq

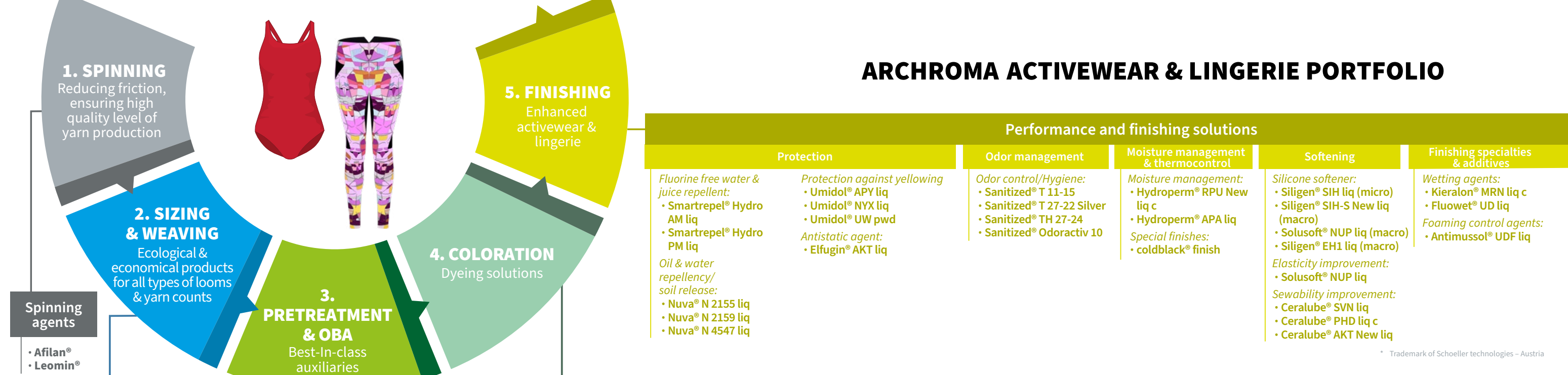
* Trademark of Schoeller Technologies - Austria

> Spotlight on **HYDRY**, a complete system for your exercise regime, that keeps you and your gear dry and fresh for longer

> Spotlight on **ODOR CONTROL**, a system for odor-free sportswear where permastink cannot build up on your favorite clothes

Discover more information in our "[Functional Finishing](#)" brochure.

ARCHROMA ACTIVEWEAR & LINGERIE PORTFOLIO



1. SPINNING
Reducing friction, ensuring high quality level of yarn production

Spinning agents
• Afilan®
• Leomin®

2. SIZING & WEAVING
Ecological & economical products for all types of looms & yarn counts

Sizing agents
• Arkofil®

3. PRETREATMENT & OBA
Best-In-class auxiliaries

Additives
• Trefix®

Global core

Antifoam agent:
• Antimussol® UDF liq
Wetting, deaerating agent:
• Leonil® EHC liq c
OBA for PA:
• Ultraphor® PN liq (neutral reddish)
• Ultraphor® PNB liq (bluish)
• Ultraphor® PR p c (neutral reddish)
• Ultraphor® PWCR p (neutral reddish)
Dispersing & sequestering agent:
• Lufibrol® MSD liq
Detergents:
• Kieralon® F-MFB liq

5. FINISHING
Enhanced activewear & lingerie

Performance and finishing solutions				
Protection	Odor management	Moisture management & thermocontrol	Softening	Finishing specialties & additives
<p>Fluorine free water & juice repellent:</p> <ul style="list-style-type: none"> • Smartrepel® Hydro AM liq • Smartrepel® Hydro PM liq <p>Oil & water repellency/soil release:</p> <ul style="list-style-type: none"> • Nuva® N 2155 liq • Nuva® N 2159 liq • Nuva® N 4547 liq 	<p>Protection against yellowing</p> <ul style="list-style-type: none"> • Umidol® APY liq • Umidol® NYX liq • Umidol® UW pwd <p>Antistatic agent:</p> <ul style="list-style-type: none"> • Elfugin® AKT liq 	<p>Odor control/Hygiene:</p> <ul style="list-style-type: none"> • Sanitized® T 11-15 • Sanitized® T 27-22 Silver • Sanitized® TH 27-24 • Sanitized® Odoractiv 10 	<p>Moisture management:</p> <ul style="list-style-type: none"> • Hydroperm® RPU New liq c • Hydroperm® APA liq <p>Special finishes:</p> <ul style="list-style-type: none"> • coldblack® finish 	<p>Silicone softener:</p> <ul style="list-style-type: none"> • Siligen® SIH liq (micro) • Siligen® SIH-S New liq (macro) • Solusoft® NUP liq (macro) • Siligen® EH1 liq (macro) <p>Elasticity improvement:</p> <ul style="list-style-type: none"> • Solusoft® NUP liq <p>Sewability improvement:</p> <ul style="list-style-type: none"> • Ceralube® SVN liq • Ceralube® PHD liq c • Ceralube® AKT New liq
				<p>Wetting agents:</p> <ul style="list-style-type: none"> • Kieralon® MRN liq c • Fluowet® UD liq <p>Foaming control agents:</p> <ul style="list-style-type: none"> • Antimussol® UDF liq

* Trademark of Schoeller technologies - Austria

Coloration solutions

Dyestuffs for PA		Dyeing auxiliaries
Metal free dyestuffs		
<p>Nylosan® S dyes</p> <p>- Super-Fast acid dyes with very good combinability, very high build-up (even on microfiber) and very good to excellent wet fastness properties</p> <ul style="list-style-type: none"> • Nylosan® Brill Yellow S-10G • Nylosan® Yellow S-L • Nylosan® Orange S-3R • Nylosan® Red S-GS • Nylosan® Brill Red S-3R • Nylosan® Red S-B • Nylosan® Red S-3B • Nylosan® Blue S-R • Nylosan® Navy S-3R • Nylosan® Black S-3N 	<p>Nylosan® F dyes</p> <p>- Fast acid dyes with limited combinability, moderate to good wet and light fastness properties. Moderate-to-good build-up and highly brilliant shades</p> <ul style="list-style-type: none"> • Nylosan® Yellow F-7GL • Nylosan® Scarlet F-3GL 130 • Nylosan® Red F-4BL • Nylosan® Red F-5B 150 • Nylosan® Red F-6B 140 • Nylosan® Violet F-BL 180 • Nylosan® Blue F-L 150 • Nylosan® Blue F-2RFL 160 • Nylosan® Blue F-GBLN 180 • Nylosan® Brill Blue F-CLA • Nylosan® Green F-BLN • Nylosan® Brill Green F-6GLN 	<p>Antifoam agent:</p> <ul style="list-style-type: none"> • Antimussol® HT2S liq <p>Wetting, deaerating agent:</p> <ul style="list-style-type: none"> • Leonil® EHC liq c <p>Lubricant agent:</p> <ul style="list-style-type: none"> • Imacol® PAM liq • Imacol® X-JET liq <p>Dyestuff protection agent:</p> <ul style="list-style-type: none"> • Revatol® AR liq <p>Levelling agent:</p> <ul style="list-style-type: none"> • Lyogen® PAM liq • Lyogen® NH liq • Lyogen® P liq c (anti-barré) • Lyogen® CN liq (anti-barré) <p>Acid buffer:</p> <ul style="list-style-type: none"> • Opticid® PSD liq c <p>Acid donor:</p> <ul style="list-style-type: none"> • Opticid® VS liq c • Opticid® VN liq <p>Fixing agents:</p> <ul style="list-style-type: none"> • Nylofixan® HF liq/liq c • Nylofixan® P liq • Optifix® CLC liq <p>Washing-off agent:</p> <ul style="list-style-type: none"> • Ekalin® F liq
<p>Nylosan® N dyes</p> <p>- Neutral dyeing acid dyes with good excellent combinability and intermediate light and wet fastness properties</p> <ul style="list-style-type: none"> • Nylosan® Yellow N-4GL • Nylosan® Yellow N-3RL • Nylosan® Orange N-RL 250 • Nylosan® Red N-2RBL • Nylosan® Brill Red N-BG 125 • Nylosan® Rubine N-5BL 200 • Nylosan® Brill Blue N-FLB 180 • Nylosan® Blue N-BLN • Nylosan® Blue N-5GL 200 • Nylosan® Green N-GL • Nylosan® Navy N-RBL 220 	<p>Nylosan® E dyes</p> <p>- Migrating acid dyes with good level dyeing</p> <p>- High light-fastness in pale shades</p> <ul style="list-style-type: none"> • Nylosan® Brill Flavine E-8GZ 125 • Nylosan® Yellow E-4G 200 • Nylosan® Yellow E-2RL • Nylosan® Yellow E-4RL • Nylosan® Red E-BNLC • Nylosan® Rhodamine E-B 300 • Nylosan® Violet E-2R 300 • Nylosan® Blue E-2R 200 • Nylosan® Blue E-BGL 200 • Nylosan® Blue E-2GL 200 	<p>Suitable for Swimwear</p> <p>- Good fastness to sea water bleeding and chlorinated water fastness</p> <ul style="list-style-type: none"> • Lanasyn® Yellow CF-S • Lanasyn® Red CF-S • Lanasyn® Blue CF-S • Lanasyn® Grey CF-S
		<p>Suitable for Lingerie</p> <p>- Good washing and heat stability</p> <ul style="list-style-type: none"> • Lanasyn® Yellow CF-L • Lanasyn® Red CF-L • Lanasyn® Blue CF-L • Lanasyn® Grey CF-L • Lanasyn® Black CF-L

Check our latest updates at

www.activewear-lingerie.archroma.com

...and know more about our **SOLUTION SYSTEMS** for activewear & lingerie



THE ARCHROMA WAY TO A SUSTAINABLE WORLD

Safe, efficient, enhanced.

As a global leader in color and specialty chemicals, we are committed to develop innovative systems and services to provide you with custom solutions that are:

Safe – It's our nature to protect. Safe to use, safe to release and safe to wear.

Efficient – It's our nature to rethink sustainable manufacturing. Innovating application processes that minimize resources and maximize productivity.

Enhanced – It's our nature to add another level of value. Effects, functionality and aesthetics to give additional value, for a life enhanced.



ØZDHC
COMPLIANT



bluesign®
APPROVED



GOTS
APPROVED



C2C
CERTIFIED



BIOMASS
BASED



PFC
FREE*



FORMALDEHYDE
FREE*



METAL
FREE*



RESOURCE
SAVING



IMPACT ON
WASTEWATER



COST
OPTIMIZATION



TOUCH / SOFT



FRESH &
ODORLESS



DURABILITY
/ STAY NEW



UV RAYS
PROTECTION



XTREME WEATHER
PROTECTION



SOIL & STAIN
PROTECTION



GRASS
PROTECTION



MICROBIAL
PROTECTION



FLAME
PROTECTION



FRICITION
PROTECTION



IMPROVED TEAR
STRENGTH



QUICK DRY



MOISTURE
MANAGEMENT

Ask your Archroma representatives for additional information on our solution systems

*below limits of detection according to industry standard test methods



www.archroma.com
bptmarketing@archroma.com

ARCHROMA MANAGEMENT LLC

Neuhofstrasse 11
4153 Reinach
Switzerland

BRAND & PERFORMANCE TEXTILE SPECIALTIES

Archroma Singapore, Pte. Ltd.
1 International Business Park
#06-01 The Synergy
609917 Singapore

ARCHROMA COMPETENCE CENTER FOR SYNTHETIC DYEING

Robert Bosch Str. 2,
D-41352 Korschenbroich
Germany

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Archroma makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Archroma's products for its particular application. *Nothing included in this information waives any of Archroma's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Archroma products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Archroma.

*For sales to customers located within the United States and Canada the following applies in addition:
NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY,
FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

© Trademark of Archroma registered in many countries
© 2021 Archroma

CERTIFIED TO
SE EN ISO 9001:2015
SN EN ISO 14001:2015
SN EN ISO 45001:2018