



**PASSION FOR
SPORTSWEAR**

High performance system solutions
for polyester, polyester/elastane
& CDP





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

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.**

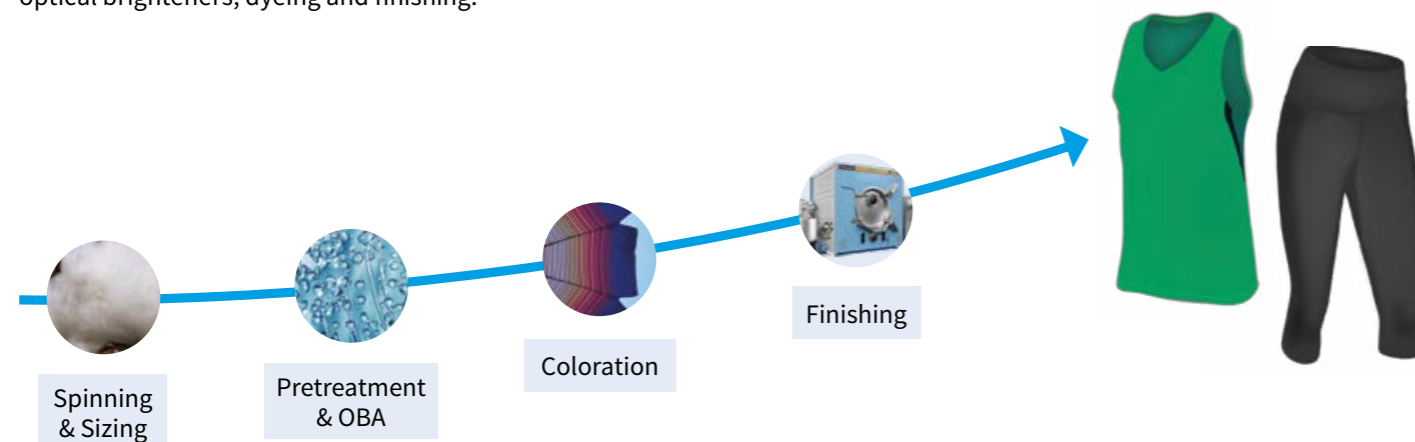
Brand owners and retailers around the world are taking action to evaluate the environmental impact of textile treatment, dyeing and finishing processes in response to consumer concerns. We can support textile manufacturers with this. Our exclusive ONE WAY Process Simulator can be used to simulate and 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 sportswear**, 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;
- Powerful 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 perfect prepared fabric and get 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 agents **Lufibrot® MSD liq**
- Detergents agents **Imerol® PCLF liq**
Kieralon® F-MFB liq

Archroma's optical brightening agents

- OBA for Polyester **Ultraphor® ERE (neutral reddish)**
Ultraphor® EREN (bluish violet)
Ultraphor® ESR (neutral reddish)
Ultraphor® EBU (neutral bluish)
Ultraphor® EF (neutral reddish)
Ultraphor® ETB (neutral bluish)
Ultraphor® ETBN (bluish)
Ultraphor® HF (neutral reddish)
Ultraphor® HFN (red violet)
Ultraphor® SFR plus (neutral reddish)
Ultraphor® SFN (bluish violet)
Ultraphor® XTB (neutral bluish)
Ultraphor® XSR (neutral reddish)
Ultraphor® XSRNB (bluish violet)

Archroma is a recognized leader in **integrated solutions for coloration**. Our portfolio includes systems designed to answer the specific requirements for all types of polyester & CDP goods. Our **sportswear coloration systems** have been developed to withstand the highest wet fastness requirements of this high performance market.

Archroma's dyestuffs for PES, PES/EL & CDP

Foron® SP-WF	Foron® S-WF supplement selection	Foron® S Luminous
<ul style="list-style-type: none"> Core range for PES microfibre and elastane blends Medium-energy performance dyes High wet fastness 	<ul style="list-style-type: none"> Supplementary selection High-energy performance dyes High sublimation fastness High wet fastness 	<ul style="list-style-type: none"> High-energy support dyes Specially suitable for brilliant fluorescent shades Good wet and light fastness
<ul style="list-style-type: none"> ● Foron® Brilliant Yellow SP-WF ● Foron® Orange SP-WF ● Foron® Carnary SP-WF ● Foron® Carmine SP-WF ● Foron® Rubine SP-WF ● Foron® Violet SP-WF ● Foron® Blue SP-WF ● Foron® Royal SP-WF ● Foron® Navy SP-WF ● Foron® Black SP-WF ● Foron® Navy SP-WFE ● Foron® Black SP-WFE 	<ul style="list-style-type: none"> ● Foron® Brilliant Scarlet S-WFN ● Foron® Crimson S-WF ● Foron® Magenta S-WF ● Foron® Turquoise S-WF 	<ul style="list-style-type: none"> ● Foron® Luminous Yellow S-10DGN ● Foron® Luminous Red S-DGN ● Foron® Luminous Red S-DBN
		Doracryl® MD <ul style="list-style-type: none"> Specially formulated cationic dyes for the dyeing of CDP Suitable for one-bath dyeing of CDP/PES and other CDP blends High sublimation and excellent wet fastness
		<ul style="list-style-type: none"> ● Doracryl® Flavine MD ● Doracryl® Yellow MD ● Doracryl® Brilliant Red MDB ● Doracryl® Brilliant Red MDG ● Doracryl® Red MD ● Doracryl® Blue MD ● Doracryl® Navy MD ● Doracryl® Deep Black MD

Offering best-in-class auxiliaries for bespoke process runnability, maintaining high standards of quality and sustainability.

Archroma's dyeing auxiliaries

<ul style="list-style-type: none"> Antifoam agent Antimussol® HT2S liq Wetting, deaerating agent Leonil® EHC liq c Lubricant agent Imacol® MPE liq Imacol® X-JET liq Dyestuff protection agent Revatol® AR liq 	<ul style="list-style-type: none"> Dispersing agent Lyocol® PRDN liq Lyocol® RDN liq Ekalin® F liq Levelling & dispersing agent Eganal® DFT liq Eganal® PS liq Lyogen® P liq c Lyogen® CN liq Eganal® XP New liq Levelling & migrating agent Eganal® DM liq Eganal® XP-L liq 	<ul style="list-style-type: none"> Acid buffer agent Opticid® PSD liq Opticid® PB liq Carrier agent Dilatin® POE liq Oligomer dispersing agent Lyocol® POD liq Reductive clearing agent Cyclanon® ECO Plus liq (acid) Cyclanon® MCL liq (alkaline) Cyclanon® MSA (alkaline) Ekalin® F liq
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> Spotlight on **FAST SPORT**, a coloration system for polyester knitted sportswear, providing the best fastness in the shortest possible time with a reduced environmental footprint



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

Innovative and tailor-made solutions

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

Nordic walking, running, and the wide range of new activities bring a renewed desire for sport clothes that are finished with highly functional products to support our active lives. Body climate control, breathable fabrics, moisture transport, soil and water repellency effects and

colour fastness are just a few buzz-words consumers are using when looking at sports garments, combined with convenience, design trends and durability.

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 repellent **Smartrepel® Hydro**
- Repellency & soil release **Nuva® N**
- Water-based solvent-free polymers, including polymers with low formaldehyde content or none at all for functional coating **Appretan®**
Lurapret®
Texapret®
- Flame retardant **Pekoflam®**
- Yellowing protection **Umidol®**
- Ready-to-apply FR coating compound solutions **Texapret® CF**
- Antimosquito **Actigard®**
- Antistatic **Elfugin® AKT liq**

Odor management

- Antimicrobial protection **Sanitized®**
- Odor control function **Sanitized® Odoractiv**

Strength, flexibility & shape stabilization

- Water-based solvent-free polymers, including polymers with low formaldehyde content or none at all for dimensional stabilization and abrasion resistance **Appretan®**
Lurapret®
- Shape stabilization **Cassurit®**
- Crease and shrink resistance **Arkofix®**
Fixapret®

Softening

- Silicone softener **Solusoft®**
- Hydrophilic silicone softener **Siligen®**
- Fatty acid softener **Leomin®**
Cepreton®
- Polyethylene softener/lubricants **Ceralube®**
- Yarn lubricants **Destofil® LC liq**
Ceralube® ET liq
- Polyurethane softener **Hydroperm® RPU New**
Perapret® PU New
- Softener for fluorocarbon finish **Ceralube® PHD liq c**

Moisture management & thermocontrol

- Moisture management **Hydroperm®**
- Cooling effects **coldblack®**

Finishing specialties & additives

- Special crosslinkers **Arkophob®**
- Hydrophobic agent for technical textiles **Arkophob® NPK liq**
- Wetting agents **Kieralon® MRZ liq**
Fluowet® UD liq
Imerol® JET-B liq c
- Foaming agents **Kieralon® SAS 30 liq**
Afilan®
- Anti-foaming agents **Antimussol® UDF liq**
- System stabilizer **Fluowet®**
- Antislip **Dicofix® SW liq c**

* application partnership with Outlast company
** Zero-Add on Formaldehyde

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

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

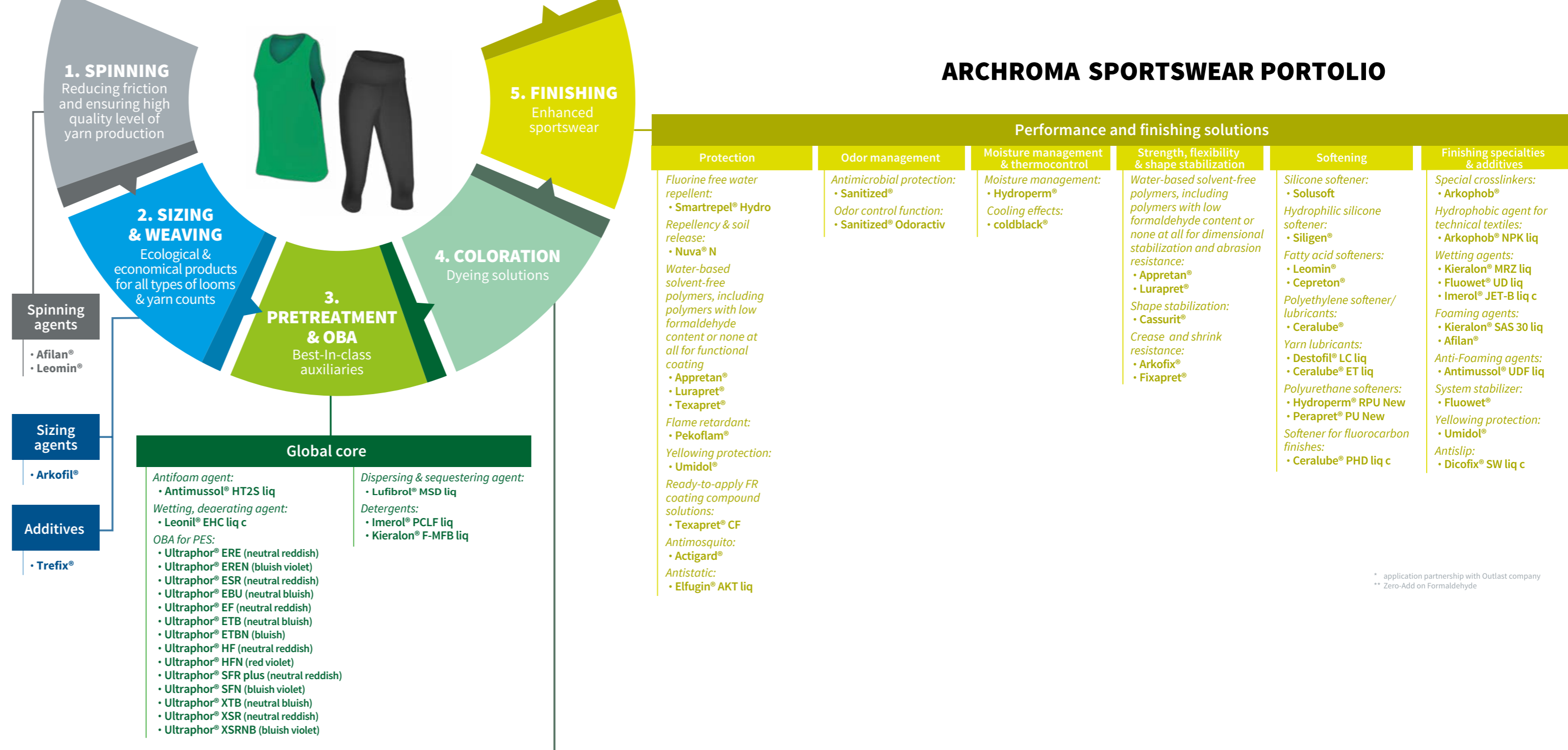
Discover more information in our “Functional Finishing” brochure.

Check our latest updates at www.sportswear.archroma.com

...and know more about our **SYSTEMS SOLUTIONS** for sports



ARCHROMA SPORTSWEAR PORTOLIO



* application partnership with Outlast company
** Zero-Add on Formaldehyde

Dyeing solutions				Dyeing auxiliaries		
Dyestuffs for PES, PES/EL & CDP						
<p>Foron® SP-WF dyes</p> <ul style="list-style-type: none"> - Core range for PES microfibre and elastane blends - Medium-energy performance dyes - High wet fastness <ul style="list-style-type: none"> • Foron® Brilliant Yellow SP-WF • Foron® Orange SP-WF • Foron® Carnary SP-WF • Foron® Carmine SP-WF • Foron® Rubine SP-WF • Foron® Violet SP-WF • Foron® Blue SP-WF • Foron® Royal SP-WF • Foron® Navy SP-WF • Foron® Black SP-WF • Foron® Navy SP-WFE • Foron® Black SP-WFE 	<p>Foron® S-WF supplement selection</p> <ul style="list-style-type: none"> - Supplementary selection - High-energy performance dyes - High sublimation fastness - High wet fastness <ul style="list-style-type: none"> • Foron® Brilliant Scarlet S-WFN • Foron® Crimson S-WF • Foron® Magenta S-WF • Foron® Turquoise S-WF 	<p>Foron® S Luminous dyes</p> <ul style="list-style-type: none"> - High-energy support dyes - Specially suitable for brilliant fluorescent shades - Good wet and light fastness <ul style="list-style-type: none"> • Foron® Luminous Yellow S-10DGN • Foron® Luminous Red S-DGN • Foron® Luminous Red S-DBN 	<p>Doracryl® MD</p> <ul style="list-style-type: none"> - Specially formulated cationic dyes for the dyeing of CDP - Suitable for one-bath dyeing of CDP/PES and other CDP blends - High sublimation and excellent wet fastness <ul style="list-style-type: none"> • Doracryl® Flavine MD • Doracryl® Yellow MD • Doracryl® Brilliant Red MDB • Doracryl® Brilliant Red MDG • Doracryl® Red MD • Doracryl® Blue MD • Doracryl® Navy MD • Doracryl® Deep Black MD 	<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® MPE liq • Imacol® X-JET liq <p>Dyestuff protection agent:</p> <ul style="list-style-type: none"> • Revatol® AR liq 	<p>Dispersing agent:</p> <ul style="list-style-type: none"> • Lyocol® PRDN liq • Lyocol® RDN liq • Ekalin® F liq <p>Levelling & dispersing agent:</p> <ul style="list-style-type: none"> • Eganal® DFT liq • Eganal® PS liq • Lyogen® P liq c • Lyogen® CN liq • Eganal® XP New liq <p>Levelling & migrating agent:</p> <ul style="list-style-type: none"> • Eganal® DM liq • Eganal® XP-L liq 	<p>Acid buffer:</p> <ul style="list-style-type: none"> • Opticid® PB liq • Opticid® PSD liq <p>Carrier agent:</p> <ul style="list-style-type: none"> • Dilatin® POE liq <p>Oligomer dispersing agent:</p> <ul style="list-style-type: none"> • Lyocol® POD liq <p>Reductive clearing:</p> <ul style="list-style-type: none"> • Cyclanon® ECO Plus liq (acid) • Cyclanon® MCL liq (alkaline) • Cyclanon® MSA (alkaline) • Ekalin® F liq

The coloration section of this brochure is focused on PES. Archroma has also a complete coloring solutions for CEL, PA and blend fabrics. Please ask your representative for additional information.

/ THE ARCHROMA WAY

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



BRIGHT
NEON



HIGH
VISIBILITY



UV RAYS
PROTECTION



XTREME WEATHER
PROTECTION



SOIL & STAIN
PROTECTION



MICROBIAL
PROTECTION



FRICITION
PROTECTION



IMPROVED TEAR
STRENGTH



QUICK DRY



MOISTURE
MANAGEMENT

Ask your Archroma representative for additional information on our system solutions

*below limits of detection



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