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## AUTOMOTIVE SOLUTIONS / The road to success







## Bringing the best in-class expertise, sustainability and performance solutions for the automotive industry

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

We strive to meet expectations from car manufacturers who are constantly seeking to improve appeal, comfort and durability of car interiors. The majority of Archroma's products are endorsed and compliant with some of the most stringent environmental standards and regulations. We are best placed to help our customers develop new ideas and effects, such as lightfast dyes, odor control, freshness, moisture and temperature management.



**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 a considered approach to sustainability generate innovation, performance and cost reductions for our customers.**



## / SPINNING & SIZING

### SPINNING

Archroma’s spin finishes provide outstanding processing performance to all kinds of filaments and fibers at the very beginning of the textile manufacturing process. With new requirements for natural fibers, synthetic fibers and filaments constantly emerging, we strive to achieve high performance solutions and processes aimed at answering the specific demands of our customers.

Our long standing expertise in fiber and filament spinning and expert technical support gives our customers confidence that products they use meet stringent quality, ecological and toxicological standards.

#### Primary Spin Finishes

- AFILAN® TCE** - Spin finish for PA and PET Industrial yarn
- AFILAN® TNN** - Spin finish for PA Industrial yarn
- AFILAN® V5066** - Spin finish for staple fibers and nonwoven components
- AFILAN® HSG-V** - Spin finish for natural staple fibers and nonwoven components

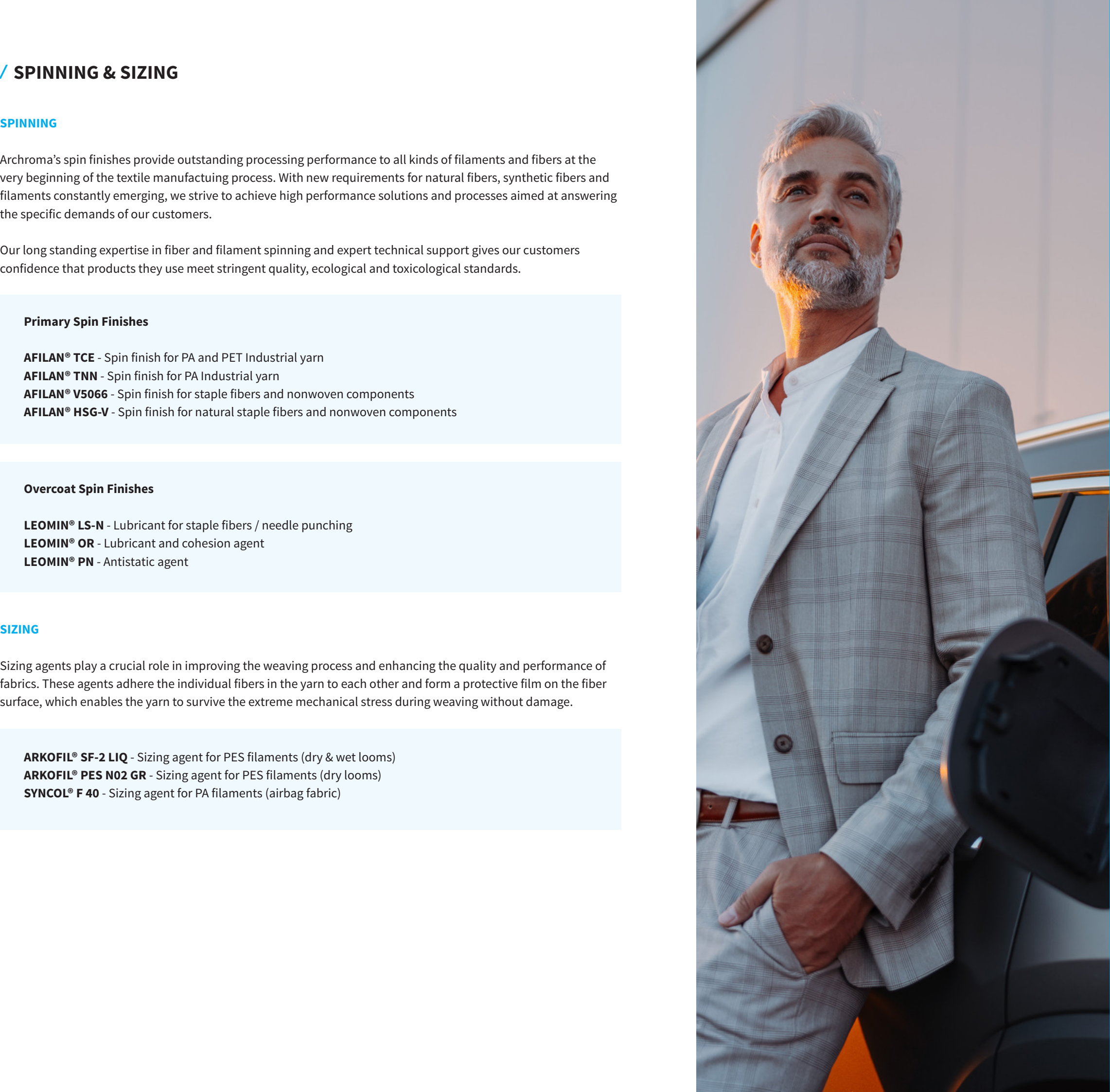
#### Overcoat Spin Finishes

- LEOMIN® LS-N** - Lubricant for staple fibers / needle punching
- LEOMIN® OR** - Lubricant and cohesion agent
- LEOMIN® PN** - Antistatic agent

### SIZING

Sizing agents play a crucial role in improving the weaving process and enhancing the quality and performance of fabrics. These agents adhere the individual fibers in the yarn to each other and form a protective film on the fiber surface, which enables the yarn to survive the extreme mechanical stress during weaving without damage.

- ARKOFIL® SF-2 LIQ** - Sizing agent for PES filaments (dry & wet looms)
- ARKOFIL® PES N02 GR** - Sizing agent for PES filaments (dry looms)
- SYNCOL® F 40** - Sizing agent for PA filaments (airbag fabric)



## / PRETREATMENT

Proper pretreatment is key to achieving well prepared fabrics for the subsequent processing steps. The diversity of fiber types and variations in quality are major challenges in obtaining a consistently prepared yarn or fabric.

Archroma offers the most effective pretreatment solutions and systems that can be optimized for any of our customers’ manufacturing processes.

**KIERALON® F-MFB** - Detergent for pre-scouring of synthetic fibers

**INVADINE® DA** - Detergent for pre-scouring of synthetic fibers

**INVATEX® CS** - Sequestering and dispersing agent for any fiber type



/ COLOURATION AND UV ABSORBERS

DYEING



Motor vehicles are long lasting consumer goods and should display high levels of quality during their entire life span. The interior components and fabrics add to the overall attractiveness of the vehicle and enhances the experience of being inside the car.

**TERATOP® HL and DOROSPERS® K**  
Highest lightfast disperse dyes to meet the most stringent requirements

**DOROSPERS® K-HF**  
High lightfast, halogen-free disperse dyes for optimum build up on PES microfiber and artificial suede.

**TERATOP®**  
Classic lightfast automotive disperse dyes including dyes to correct the metamerism to match the color of other car components

DYEING AUXILIARIES

Archroma offers best-in-class dyeing auxiliaries for a broad range of process applications to ensure a well-controlled dyeing process.

**Levelling and dispersing agents**

**EGANAL® PS LIQ**  
All rounded leveling agent with perfect balance of difficult dye combinations

**UNIVADINE® TOP**  
Outstanding performance in dispersing, migration, leveling and retarding of dyes

**LYOCOL® PRDN LIQ**  
Excellent dispersing of dyes during dyeing process.

**pH regulator**

**ALBATEX® AB-45 / OPTICID® PSD LIQ. C**  
Acid buffer for adjustment of pH 4.5-5.5 for the entire dyeing process

**LYOCOL® ELD NEW LIQ**  
pH regulator for alkaine dyeing and regulating oligomer deposits of PES fibers

UV ABSORBERS



Our UV absorbers are highly resistant to heat, preventing color change during processing and assembly. Archroma's dyes and UV absorbers are designed to fulfill the strictest fastness requirements of the automotive industry.

**FADEX® and UV-FAST®**  
UV absorbers that guarantee long lasting colour consistency and fabric stability.





## / FINISHING

At Archroma, we offer a full range of functional finishings for car seats that help improve durability, protection and comfort for drivers and passengers alike. From stain and water repellents to anti-static and fire-retardant solutions, we provide a full suite of products for all your finishing needs.

### STAIN, WATER AND OIL REPELLENTS

Our repellents prevent stains and dirt that car seats may acquire during assembly and throughout the lifetime of the vehicle, especially when the interiors are pale colored. Our fabric protectors also prevent abrasion, damage and irreversible watermarks from rain that spoil the look of the car interior.

#### **ZELAN™ R3**

Renewable raw material-based PFAS-free stain and water repellent with superior performance for long-lasting material protection.

#### **PHOBOTEX® NTR-50 LIQ**

Partially biobased PFAS-free water repellent for barrier functions with reduced CO<sub>2</sub> footprint.

Wax- and extender-free technology which combines polyurethane and acrylic elements to provide a more cost-effective platform with enhanced compatibility with other finishing chemicals.

#### **NUVA® N2155**

Highly purified fluorinated resin technology for reliable oil, diesel and water barrier functions which are required in engine bonnet or filtration nonwoven materials.

Non-ionic stabilized, aqueous dispersion with excellent compatibility with thermoplastic polymer dispersions needed for shape stabilization, but also with salt-based flame retardants or common anionic-stabilized electrostatic additives.

#### **PHOBOL® CP-CR**

Highly purified fluorinated resin technology for high-performance water and chemical barrier functions which are required in truck seating or technical nonwoven materials.





FIRE RETARDANTS

Enhance fire safety with our flame retardant solutions and mitigate any risk of fire. Our highly compatible and cost-effective products can be used in combination with oil and water repellents, antistatic agents and coating polymers.

FLOVAN® CGN

A salt-based, halogen-free and highly efficient solution for padding or spraying of seating fabrics, side trims or headliners, but also trunk liners.

The low emissive, liquid product is easy-to-use and compatible with repellent finishes and Oekotex approved.

PEKOFLAM® STC PWD & PEKOFLAM® TC-950 LIQ

Salt-based, halogen-free and highly efficient additives for solvent respectively water-borne polyurethane coating of synthetic leather seating fabrics.

The low emissive, powder based solvent additive is insoluble in water, DMF or MEK, and the liquid slurry product is easy-to-use and compatible with many water-borne coating resins.

Coating Solutions

APPRETAN® and DICRYLAN®

Abrasion on car seats from regular usage is a common issue and results in an unaesthetic appearance. This is especially so if there was velcro chafing against the car seats causing yarn breakages, fabric “picking” and snagging of filaments that were pulled away from the fabric surface. Archoma’s Appretan® and Dicrylan® products help mitigate abrasion to ensure seats that look new and last longer.

TEXAPRET®

The TEXAPRET® CF range of ready-made coating compound solutions comprise non-halogenated flame retardants and low emissivity polymers which provides reliable safety to interior fabrics. Depending on the substrate and targeted flammability standard, different solutions can be offered.

ODOR MANAGEMENT

Car seats can accumulate odors from various sources such as food, pets, or general use. Our odor control finishes can help inhibit the growth of odor-causing bacteria and keep the car seats smelling fresh and clean.

SANITIZED® T20-19

Our metal and particle-free antibacterial treatment provides reliable bacteriostatic protection for polyamide and polyester seating fabrics. It keeps odors under control and also eliminates infectious substances that can accumulate over time.

This technology is dermatologically tested, EPA and BPR approved. It is bluesign registered and can be marketed under the PURETEC™ branding of our partners, Sanitized® AG.

SANITIZED® TH 26-11

Our metal and particle-free technology is designed for reliable mildew control which is needed in cabin air filtration materials to ensure that no harmful pollutants or spores can enter into the passenger compartment.

The technology used for filter materials needs to be compatible with repellent finishes, and shall not interfere with electrostatic chargeability nor reduce airflow properties.

ANTISTATIC AGENTS

Antistatic agents to prevent the build-up of static charges and reduce static electricity. They can be applied to various materials and fiber types which are commonly used for automobiles.

ZEROSTAT® and ELFUGIN®

Zerostat® and Elfugin are ideal solutions that can be used during processing and fabric production to increase the surface conductivity of a textile to prevent the build up of electrostatic charges. Suitable for all synthetic fibers, it does not impair light or heat stability, rubbing fastness or fogging behavior, even at the highest temperatures. Zerostat® FC NEW is especially compatible with repellent products.