



COLORANTS & ADDITIVES FOR NONWOVENS

NONWOVENS ARE USED IN A VARIETY OF INDUSTRIES, from hygiene and medical to building and construction. They provide specific mechanical, functional and surface properties to meet high performance and regulatory requirements.

Avient offers a comprehensive portfolio of colorants and additives for nonwovens in the form of concentrates. Custom color, additive or color/additive combination concentrates can be developed to meet the specific requirements of your application.



CESA™ FIBER ADDITIVES

ELECTRET

In filtration applications, nonwoven fabrics are often electrically charged to improve the filtration of fine particles. Electret additives help retain the electrostatic charge on the polymer surface for longer periods of time. Cesa™ electret additives for nonwovens contribute to long-lasting filtration performance and smooth and efficient processing.

Recommended use: all air filtration applications

SOFT TOUCH

Cesa™ soft touch solutions provide a soft touch feel to nonwoven fabrics which come into contact with skin. At higher addition levels they also have a hydrophilic effect, which is particularly recommended for medical gowns.

Recommended use: nonwovens in contact with skin (e.g., diapers, hygienic pads, wipes, medical gowns)

HYDROPHOBIC

Cesa™ hydrophobic additives impart durable hydrophobic properties to nonwovens that require water and liquid repellency. The concentrates provide the same breathability as post-treated fabrics with no influence on tenacity and provide abrasion resistance.

Recommended use: nonwoven products that need protection from liquid (e.g., roofing underlays, tablecloths, pipe wraps, face masks)



ANTIMICROBIAL

Antimicrobial additives are important for nonwoven fabrics used in PPE (Personal Protective Equipment) and healthcare applications. They limit the growth of bacteria and fungi to protect the nonwoven fabric and prevent the formation of unpleasant odors. Cesa™ antimicrobial additives for nonwovens are resistant to washing for long-lasting antimicrobial effectiveness. The active ingredient is compliant with FDA/EU regulations*.

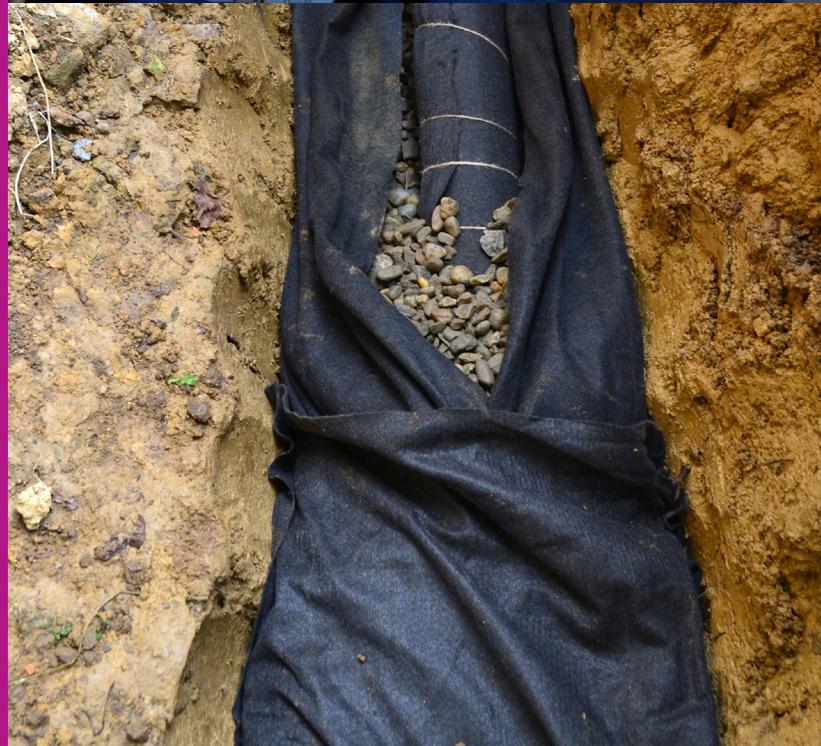
Recommended use: nonwoven fabrics used for PPE and healthcare products (e.g., wound care, medical gowns)



FLAME RETARDANT

Flame retardancy is crucial for nonwoven fabrics used in construction and in transportation. Cesa™ flame retardant additives for nonwovens are formulated without halogen and comply with key fire hazard regulations around the world**. Solutions that promote UV stability, in order to retain flame retardancy efficacy after sun exposure, are also available.

Recommended use: nonwoven fabrics used in construction (e.g., roof underlays) and in transportation (e.g., seat covers in buses)



* FDA/EU compliance information available upon request

** It is the responsibility of the end article manufacturer to ensure compliance with flame retardancy standards

LIGHT STABILIZER

Nonwovens exposed to sunlight often need to incorporate light stabilizers to protect them from color fading and loss of mechanical properties. Avient's light stabilizers show excellent weathering results and are cost effective. Our colorant and additive experts provide product guidance based on sun exposure levels and the specific requirements of the end product.

Recommended use: nonwovens exposed to sunlight in construction, transportation or any outdoor application





REMAFIN™ FIBER COLORANTS

WHITE

White nonwovens are predominantly used for hygiene products. Avient's white colorants for nonwovens are formulated to offer low addition rates, efficient processing, and are approved by major brand owners in the hygiene industry.

COLOR

Color can be added for application identification (e.g., blue and green for medical) or for differentiation. Avient offers a selection of cost effective colorants for quick and reliable coloration of polypropylene nonwovens in spunbond and meltblown processes. The palette features pastel shades commonly used in hygienic and medical nonwoven fabrics and more vibrant shades commonly used in home textiles (e.g., napkins, tablecloths, outdoor blinds) and the food industry*. Our colormatching laboratories are fully equipped to match specific color targets and formulate custom colorants that fulfill the technical and regulatory requirements of the final product.

* FDA/EU compliance information available upon request



Colorants and additives can be supplied in a combination concentrate for convenience.



1.844.4AVIENT
www.avient.com



Copyright © 2023, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.