COLORANTS & ADDITIVES FOR NONWOVEN
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 full portfolio of colorants and additive solutions and can formulate specific colors, additives or functional colors to meet the specific requirements of your application. Our fiber experts provide product guidance and technical expertise to help you overcome your application challenges.
ADDITIVE MASTERBATCH

ELECTRET
In filtration applications, nonwoven fabrics are often electrically charged to improve the filtration of fine particles. Electret masterbatches help retain the electrostatic charge on the polymer surface for a longer period of time compared to standard. Avient’s electret masterbatches contribute to long lasting filtration performance and a smooth and efficient process.

Recommended use: all air filtration applications

SOFT TOUCH
Avient’s soft touch masterbatch solutions provide a soft touch feel to nonwoven fabrics which are in contact with the 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
Avient’s hydrophobic masterbatches impart durable repellency to water, alcohol and oil. They can be used as an antisoil solution for nonwoven products that may be subjected to dirt, rain, food and beverage spills and oily substances. The masterbatches are fluorine free and provide the same breathability as post-treated fabrics with no influence on yarn tenacity and abrasion resistance.

Recommended use: nonwoven products that need protection from liquid and soilage (e.g. roofing underlays, table cloths, pipe wraps, safety masks)
ANTI-MICROBIAL

Anti-microbial 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 odor. Avient’s anti-microbial masterbatches are resistant to washing for long lasting antimicrobial effect. The active ingredient is approved by Oeko Tex and 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. Avient’s flame retardant masterbatches contain halogen-free flame retardants which comply with 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
WHITE MASTERBATCH

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

COLOR MASTERBATCH

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.

Colorants & additives can be combined in a single masterbatch for convenience.