



» Dispersions Technologies for Healthcare

Avient understands the precision, technical importance, and regulatory standards required in the healthcare space. As your customers turn to you for high-performing, cost-effective healthcare products, you can turn to us for material solutions that keep you innovating ahead of the competition.

We offer a broad range of colorant and additive dispersions that can improve process efficiency and enhance product performance in healthcare applications. These dispersions are available for silicone, vinyl, and other thermoset materials and can be customized to meet specific needs. With FDA-compliant grades and USP Class VI certified silicone colorants, we can help you mitigate risk and address challenges in delivering high-performing and cost-effective products.

THERMOSET COLORANT DISPERSIONS

Silicone Colorant Dispersions

Enable color consistency and reliability through a broad portfolio of silicone colorant dispersions for LSR, HCR, and RTV systems. Suitable for a variety of healthcare applications including medical tubing, devices, and equipment.

Rubber Colorant Dispersions

Provide optimal dispersion and lot-to-lot consistency to promote durability and ease of handling for medical devices and tools.

Vinyl Colorant Dispersions

Allow high-quality dispersion, uniformity, compatibility, and customization opportunities for healthcare applications such as medical tubing and equipment.

Urethane Colorant Dispersions

Streamline production and enhance quality to provide versatility for polyester and polyether urethane systems used in medical device applications.

Epoxy Colorant Dispersions

Enable high-cost efficiency, stability, and customization opportunities with long-lasting and hygienic properties for healthcare facility floor coatings.

SILICONE ADDITIVE DISPERSIONS

General Silicone Additive Dispersions

Achieve chemical resistance, durability, and a wide range of other enhanced physical properties to improve the performance of silicone materials. Solutions include radiopacity, acid acceptors, viscosity modifiers, mold releases, and more.

Electrically Conductive Additives for Silicone

Enhance silicone materials with a range of electrical conductivity and lower filler loadings suitable for wearable medical device and electrical stimulation applications.

Laser Marking Additives for Silicone

Provide a non-destructive, permanent marking and eliminate the need for secondary etching on silicone surfaces in medical equipment cables and grips.

Surface Modification Additives for Silicone

Reduce tackiness and enhance smoothness of the cured silicone compound for healthcare applications such as medical tubing, catheters, and medical equipment.



SPECIALTY FORMULATIONS

Aqueous Additive Dispersions

Choose dispersions or emulsions of functional additives stabilized, suspended, and dispersed in water for use in adhesives, bandages, and other wound care applications.

Silicone Formulations

Leverage customization opportunities for fully formulated silicone solutions that shorten development cycles and streamline operations for medical equipment components.

Self-Bonding Silicone Formulations

Allow silicone compounds to bond to various substrates without prime coating, enhancing material performance in various healthcare applications including handles and grips for medical equipment and instruments.



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