

PRODUCT BULLETIN

Cesa™ Fiber Additives

Cool Feeling & Antimicrobial Solutions for Fibers

In today's increasingly diverse fashion landscape, consumers are placing greater emphasis on both aesthetics and functionality for their apparel. During the summer season, the demand for garments that offer moisture-wicking and antimicrobial properties is particularly high, as these features help wearers stay cool and odor-free.

To meet with consumers' dual expectations for functionality and wearability, Avient has expanded its Cesa™ Fiber Additives portfolio with bi-functional cool feeling & antimicrobial solutions.

WORKING PRINCIPLE

Cesa cool feeling & antimicrobial additives significantly improve thermal and hygienic performance. Testing shows that when used in PET fibers, they can achieve a Q-Max value exceeding 0.13, enabling the fabric to quickly absorb heat from the skin and provide a noticeable cooling sensation. Additionally, their antimicrobial efficacy has been validated according to JIS L1902 standards, demonstrating over 99% bacterial reduction, which contributes to an enhanced feeling of freshness and increased odor control.

KEY BENEFITS

- Provide long-lasting cooling and antimicrobial effects without compromising yarn spinnability
- Bi-functional formulation simplifies the additive incorporation process
- Fully compatible with both bath-dyeing and piece-dyeing methods
- Support stable spinning performance and extended production cycles
- Comprehensive product guidance and technical assistance from Avient's experts

MARKETS AND APPLICATIONS

Cesa cool feeling & antimicrobial additives are specifically formulated for polyester and polyamide fibers used in apparel, but are also ideal for numerous other textile products, including:

- Sportswear
- Home textiles
- Technical fabrics
- Comforters

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