



➤ PRODUCT BULLETIN

CESA™ Fiber Additives for Heat Preservation

Today's lifestyle tends to be more focused on outdoor sports and long-distance travel, developing more functional clothing is the key for brand owners and OEMs.

CESA™ fiber additives for heat preservation are the formulated additives to enhance the heat preservation performance of textiles with synthetic fibers according to the test standard GB/T 30127-2013. Fabrics made with CESA fiber additives can absorb more heat when exposed to simulated sunlight with the wavelength from 320 to 1100nm. Photothermally active particles added to the fibers help transform the energy of invisible light rays into heat for enhanced comfort in cold temperatures. When exposed to a light source for 10 minutes, this new generation of heat-preservation additives can provide a temperature increase from 6°C to 12°C for PET and PA fibers based on different let-down-ratio and textile structure.

This solution includes two grades, one for polyamide and the other for polyester fibers. They also can be combined with specific colorants into a single, customized masterbatch.

KEY CHARACTERISTICS

- Offers reheating property for synthetic fibers with specialty formulations
- Provides a temperature increase of up to 12°C when exposed to a light source for 10 minutes
- Good spinnability
- Lower impact on the color

APPLICATIONS

CESA fiber additives are intended for use in:

- Clothing: hoodie, sweater, jacket, ski clothing, thermal underwear, etc.
- Home textile: bedding, blankets, etc.
- Technical fabrics for thermal insulation

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