



NONWOVEN NANOFIBER MATRICES COSMETIC APPLICATIONS



ONLY RECENTLY HAVE NANOFIBERS EMERGED AS A NEW AND EXCITING COMPONENT FOR COSMETIC PRODUCTS. THE UNIQUE PROPERTIES OF NANOFIBERS MAKE THEM EXTREMELY DESIRABLE FOR A VARIETY OF SKIN CARE APPLICATIONS. WHETHER THE NANOFIBERS ARE REMOVING CONTAMINANTS FROM THE PORES OR DELIVERING ACTIVE INGREDIENTS TO THE SKIN IN A CONTROLLED AND EFFICIENT MANNER, THEIR POSITIVE EFFECT ON SKIN HEALTH IS UNPARALLELED.

IDEAL APPLICATIONS FOR NANOFIBERS IN COSMETICS INCLUDE:

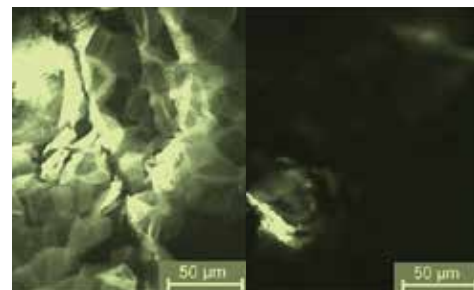
- Decontamination of the skin (e.g. pollution)
- Facemasks that dissolve and release actives into the skin
- Removal of nanoparticles from the skin
- Transdermal delivery of skin care actives
- Absorption of sweat, oil and contaminants



DEPENDING ON THE POLYMER USED, A VARIETY OF ATTRIBUTES CAN BE ACHIEVED, INCLUDING:

- Elastic
- Conformable, flexible and soft
- Water soluble
- Biodegradable/sustainable
- Biocompatible
- Entrapment of microparticles
- Encapsulation or entrapment of nanoparticles
- Rapid dissolution of water soluble nanofibers

SNS Nano is uniquely capable of helping your product development program from design to field trials to finished product manufacturing. Our quality management systems assure you of consistent, high level service.



LSM images after washing- dye is still in furrows & hair follicle

LSM images after decontaminating the skin with Nanosan nanofibers for 30 seconds

Contact SNS Nano to learn more about how you can use nanofibers for your cosmetic applications.

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