

Biopolymers & Bioplastics

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International Flavors and Fragrances, USA

The use of microcapsules in fragrance has become a key technology in home care (fabric softeners and detergents) and personal care (antiperspirants/deodorants) to enable efficient delivery of fragrances during the product use. The aim of this study is to obtain performance benefits such as long lasting release of the fragrance, a higher quality long lasting fragrance (lasting freshness), and fragrance release during handling of wet and dry fabrics, release of fragrance during enhanced physical activity of the wearer, and enhanced bloom during application. As such, a key aspect of the microcapsule performance is to deposit as many capsules as possible during product application. Another challenge is minimizing the fragrance diffusion out of the capsules into the consumer product as this negatively impacts shelf life and transportation in hot climates. However, it is imperative that the fragrance is released during use of the product and wear of the substrates. Biopolymers are used in many facets of encapsulation of flavors and fragrances. Biopolymers are used in encapsulation techniques based on

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