

Setting New
Standards in

Micro- Encapsulation



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Sumfoam

**Sumfoam
Liquid
Mixing
Done!**



The encapsulation of functional liquids for successive release over a longer time allows various applications. The SUMTEQ microcapsules represent the optimal solution for this use. Quite easy to load, the polymer foam absorbs non-polar liquids like a sponge.

With a capacity of up to 6 times its own weight, the polymer foam exhibits unique properties. The fine pore structure ensures strong binding and slow release of the encapsulated fluid. This makes it particularly predestined for scented printing inks for clothing or food packaging. Due to their open porosity, the capsules can even be reloaded.



Eco-friendly
due to high
absorption
capacity



Slow
release and
reloadable



Permanent dry
provision of
fluid media



Low processing
costs due to
self-loading



The Sumfoam capsules have a special property in the permanent dry provision of liquids and waxes. Substances such as phase change materials (PCM) can be bound in the pore structure and expand and contract within it. The strong capillary forces of Sumfoam ensure that the medium does not leak.

Technical Specifications

| | |
|--------------------------|--------------------------|
| Material | Foamed acrylic copolymer |
| Pore structure | Open-cellular |
| Temperature range | -270 °C to +80 °C |
| Surface nature | Hydrophobic |
| BET surface | > 100 m ² /g |
| Pore size | < 50 nm |
| Porosity | > 85% |

Fields of Application

Biocides

Fragrances

Phase Change Materials (PCM)