

We are advancing sustainability and circularity by using eco-friendly blowing agents in the production process and implementation of recycling strategies.

Thanks to the disruptive technology, Sumfoam carriers represent a new generation of carrier materials with high efficiency.



Climate-friendly production



Low material usage due to high loading capacity



Processing in one step - less energy: less CO₂



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SUMTEQ Processing Liquids Efficiently



We produce **unique polymer foams** with an outstanding porosity.

A carrier system with an enormous absorption capacity – Sumfoam makes it possible. Due to its high porosity, liquid additives can be easily bound in dry form as a so-called “dry liquid”. Only a small amount of the Sumfoam carrier is necessary for binding a maximum of liquids and integrate them into the process.

Why Using Dry Liquids?

Dry liquids are the perfect solution when processors cannot handle fluid materials. They support safe handling of hazardous substances and facilitate precise dosing. Sumfoam carriers do this even with highly viscous liquids and distribute them homogeneously in the material to be processed thanks to the adaptive particle size. In addition, the foam-based technology also enables the processing of highly volatile substances.

7 Reasons for Sumfoam Carrier Materials

- Processing liquids possible for everyone
- Precise dosing – even of viscous liquids
- Homogeneous dispersion of additives
- Reduction of migration of fluid additives
- Processing highly volatile fluids
- Masking substances to avoid undesired reactions
- Safe handling of hazardous substances

A New Generation of Carrier Systems

Processing liquids for creating a dry blend has never been easier. Sumfoam as a carrier material absorbs non-polar liquids within seconds. This is possible due to the strong capillary forces which result from Sumfoam’s nanostructure. Because of the tiny pore structure, granules can be ground into flakes or even fine powder while maintaining full performance. With particle sizes from 50 µm to 3 mm, Sumfoam covers the entire range of organic as well as inorganic carrier materials. At the same time, it can be securely bound in rubber and plastic, providing excellent stability and durability.

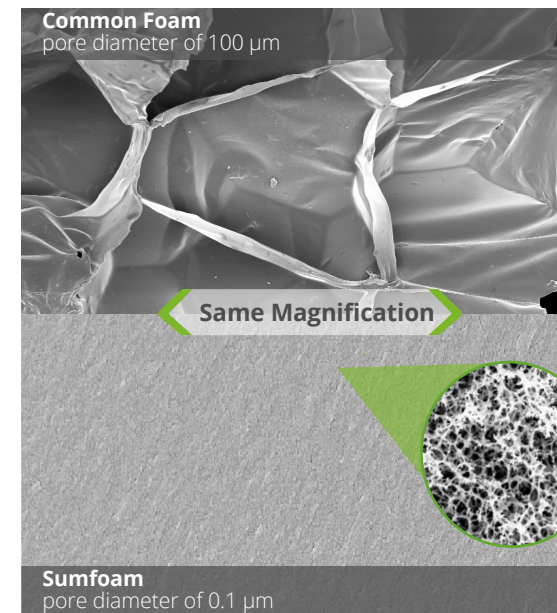
Advantages compared to Organic and Inorganic Carrier Materials

Organic Carrier Materials

- Higher loading** up to 6 times of its own weight
- Very fast absorption** under standard conditions
- Firm binding in final product** without migration
- Adaptable particle size** down to 50 µm
- Stable for storage**

Inorganic Carrier Materials

- Higher loading** capacity
- Full liquid transfer** to the matrix
- No inorganic residues**
- Adaptable particle size** up to 3 mm
- Equipment-friendly** - not abrasive



Pore size smaller by factor 1,000.

Technical Specifications

Material	Foamed acrylic copolymer
Pore structure	Open-cellular
Surface nature	Hydrophobic
Appearance	Granules / Flakes / Powder
Particle size	Customizable
Pore size	< 0.1 µm
Porosity	> 85%
Bulk density	70 - 100 g/L

Applications

- Stabilizers
- Flame retardants
- Reactive agents
- Antifog additives
- Plasticizers
- Antistatic agents
- Blowing agents
- Bonding agents
- Fragrances
- Antimicrobial agents
- Antioxidants
- Other fluids and waxes