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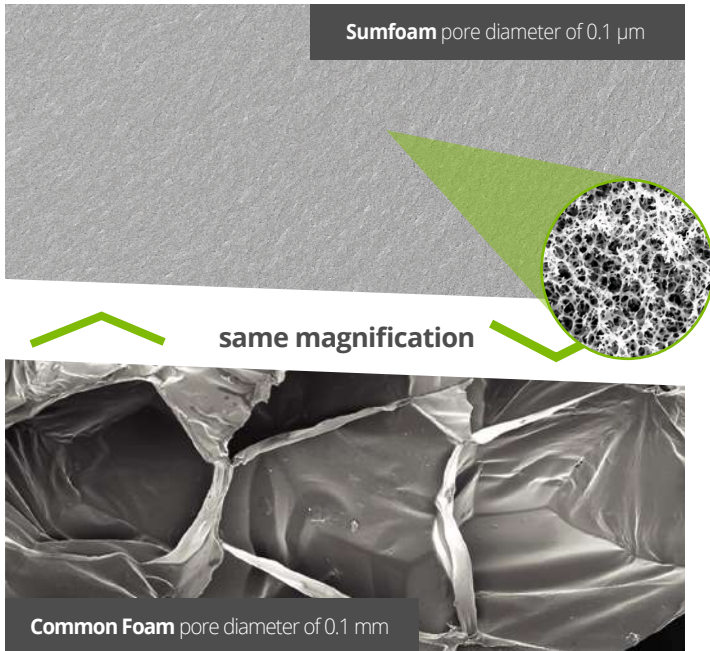
Sumfoam

High Performance Insulation

Sumfoam

With the production of nanoporous shaped parts from the Sumfoam material class, a pioneering breakthrough has been achieved that paves the way for entirely new applications: whether shock absorption, insulation or lightweight construction. Thanks to the unique combination of stability, low weight and insulation performance, Sumfoam shaped parts are used in particular where standard materials reach their limits.

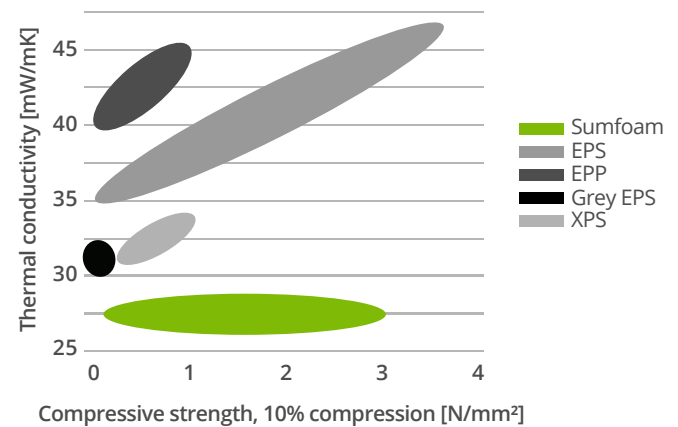
- Outstanding insulation performance
- Extremely stable
- Excellent price-performance ratio
- Foamed with climate-friendly blowing agent
- 100% recyclable



Technical specifications

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

Air-filled Polymer Insulation Foams



At a compressive strength of ≥ 0.6 N/mm², Sumfoam boards achieve 20% better insulation performance than boards made of XPS and a 40% better value than EPP boards. Comparing molded parts with a compressive strength ≥ 2 N/mm², Sumfoam-based boards perform 35% better than those made of EPS.

Fields of Application

- Insulation of buildings with high demands on stability as well as special applications in cooling logistics
- Shock absorbing properties for the production of protectors and complex protection systems
- Lightweight construction with high requirements for stability and thermal insulation performance