



SUMFOAM®

A new CLASS of materials

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SUMFOAM®



Innovative

World's first polymer foam with pore in the nanometer range



Versatile

Processing established polymers with a disruptive foaming technology



Efficient

Pore size reduction of more than factor 1000 compared to common foams



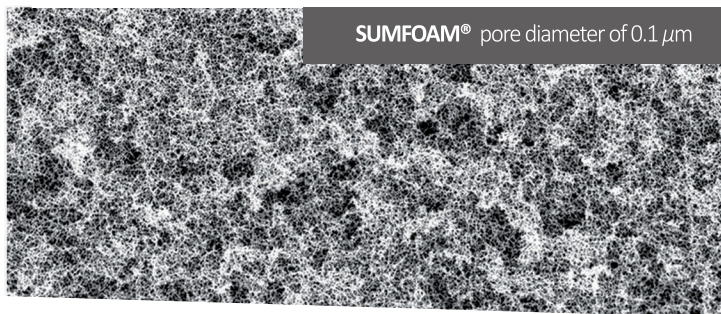
Unique

An entirely new class of materials with outstanding properties



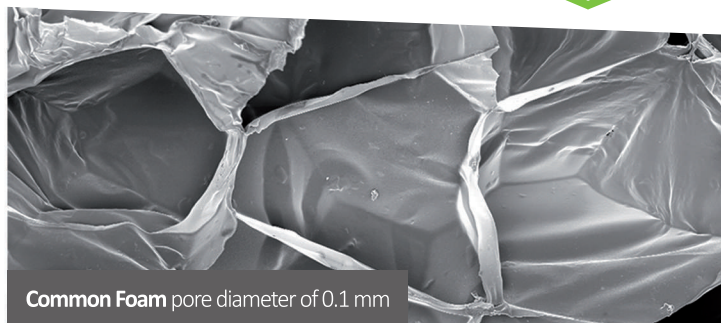
Sustainable

Foamed with a 100% climate-friendly blowing agent



SUMFOAM® pore diameter of 0.1 μm

same magnification



Common Foam pore diameter of 0.1 mm

Technical Specifications

Material	Foamed acrylic copolymer
Appearance	Granule / flakes / powder
Pore structure	Open-cellular
Polymer network	Interconnected matrix
Thermal conductivity	< 23 mW / mK
Temperature range	- 270 °C to + 80 °C
Surface nature	Highly hydrophobic
PH value (ISO 10390)	6,5 - 7,5

SUMFOAM® LT SUMFOAM® KU

Bulk density	0,05 - 0,08 g/ml	0,08 - 0,12 g/ml
BET surface	> 50 m ² /g	> 100 m ² /g
Pore size	< 200 nm	< 50 nm
Porosity	> 90 %	> 85 %

Fields of Application

