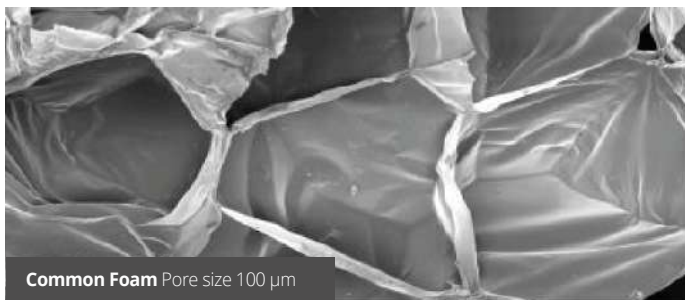


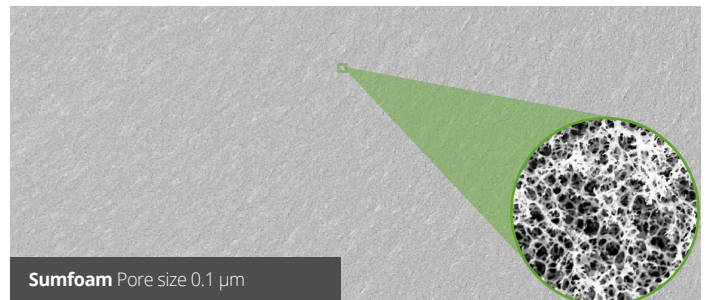


- 💡 Innovative**
World's first polymer foam with pores in the nanometer range
- ⚙️ Efficient**
Pore size reduction of more than factor 1000 compared to common foams
- ✨ Versatile**
Processing established polymers with a disruptive foaming technology
- ☆ Unique**
An entirely new class of materials with outstanding properties
- 🌿 Sustainable**
Foamed with 100% climate-friendly CO₂

Same Magnification



Common Foam Pore size 100 µm



Sumfoam Pore size 0.1 µm

Fields of Applications

- Insulation
- Oil cleaning
- Oil binding agent
- Paints and lacquers
- Coatings
- Filtration
- Carrier material
- Textiles

Technical Specifications

| | |
|-----------------------------|-----------------------------|
| Material | Foamed acrylic copolymer |
| Form | Granulate / Flakes / Powder |
| Pore structure | Open-cellular |
| Polymer network | Interconnected matrix |
| Thermal conductivity | < 23 mW/mK |
| Temperature range | -270 °C bis +80 °C |
| Surface nature | Hydrophobic |
| PH value (ISO 10390) | 6.5 - 7.5 |

Sumfoam KU

| | |
|---------------------|-------------------------|
| Bulk density | 60 - 100 g/ml |
| BET surface | > 100 m ² /g |
| Pore size | < 50 nm |
| Porosity | > 85 % |