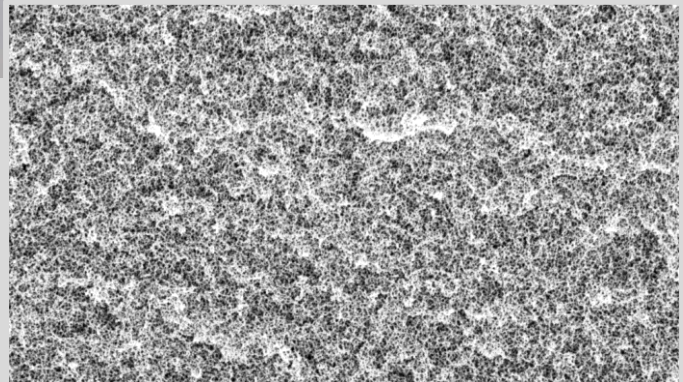




- ➔ **World's first polymer foam with pores in the nanometer range**
- ➔ **Pore size reduction of more than factor 1000 compared to common foams**

- ➔ **Produced by combining a new and disruptive foaming technology with established polymers**
- ➔ **Innovation enables an entirely new class of materials with unique properties**



Technical specifications

Appearance	White powder	Porosity	> 85 %
Material	Thermoplastic polymer	Temperature range	-270 °C to 80 °C
Tapped density	0.08 - 0.15 g/ml	Flowability	Very high
BET Surface Area	> 100 m ² /g	Surface nature	Highly hydrophobic
Mean particle size	10 - 30 µm	Pore structure	Open-cellular
Average pore size	< 100 nm	pH Value (ISO 10390)	6.5 – 7.5

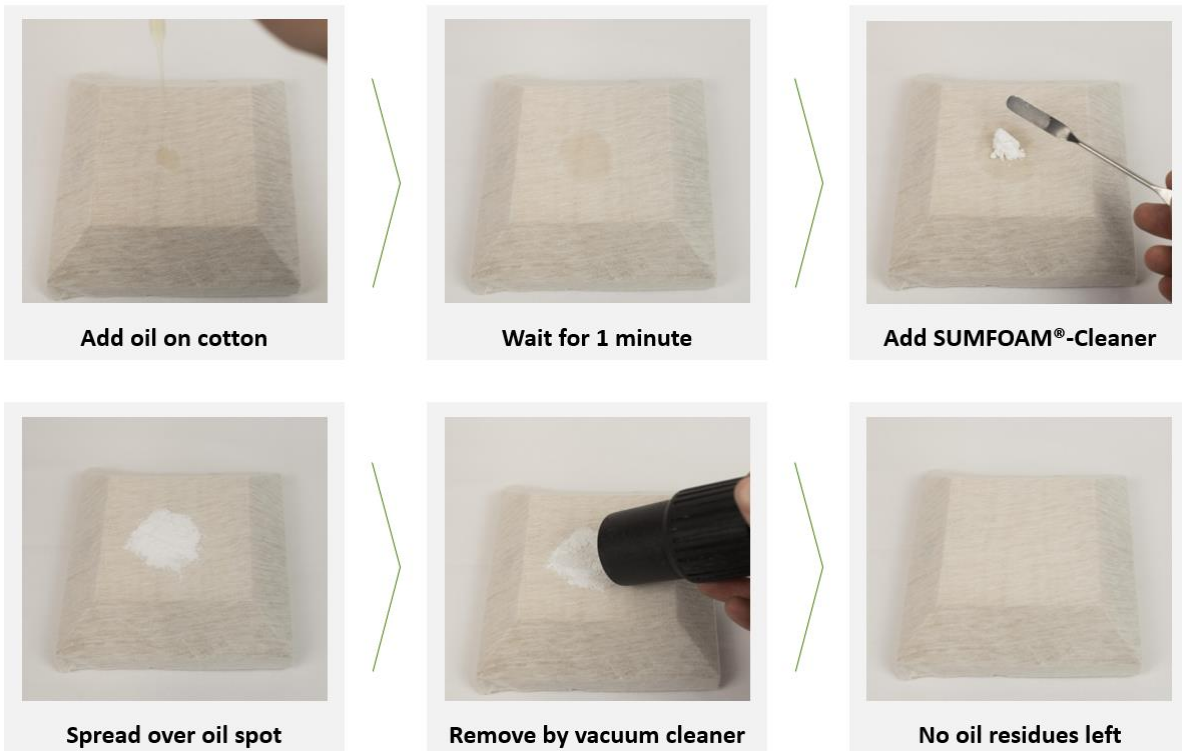
Different particle sizes, pore sizes and densities are available on request.



SUMFOAM[®] Cleaner

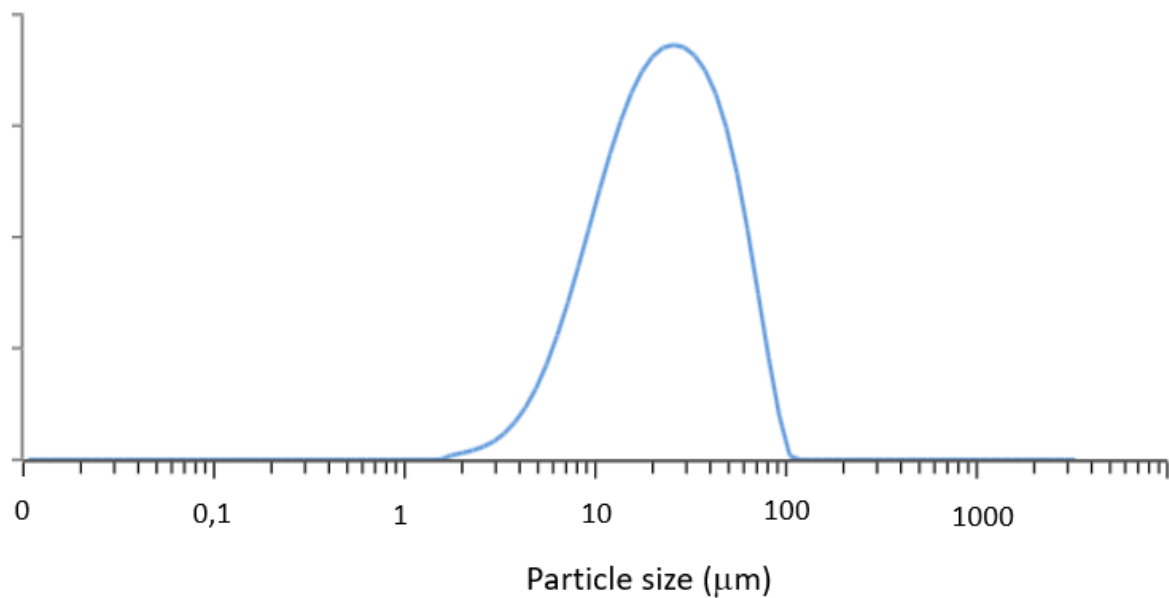


- 1 **Efficient** > 100 g SUMFOAM absorbs more than 1 l oil
- 2 **Rapid** > Immediate absorption due to enormous surface area
- 3 **Selective** > Draws oil out of all materials with less capillarity
- 4 **Eco-friendly** > Emission-free, pure material without soluble residues
- 5 **Versatile** > Suitable for all oils and hydrophobic liquids
- 6 **Robust** > Permanent binding of oil even under very high stress

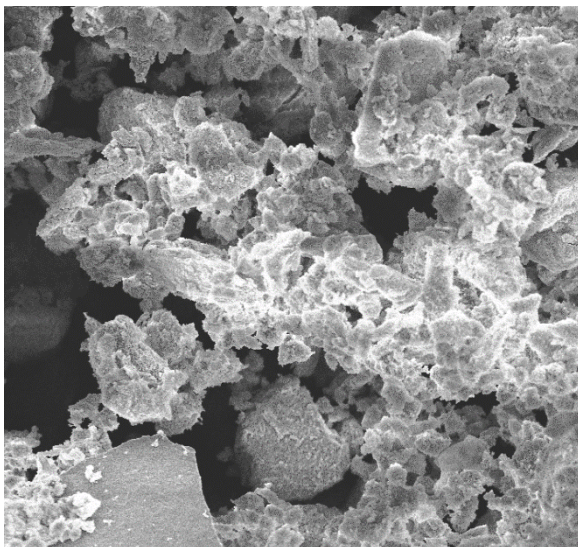


Particle size distribution & Scanning electron images

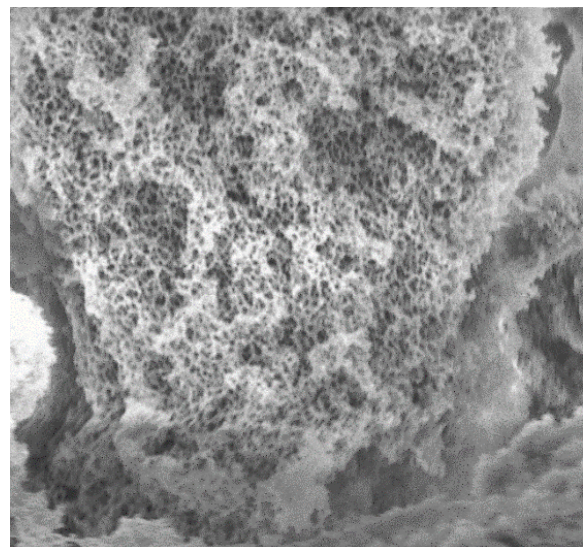
The particle size distribution measured by laser diffraction.



Scanning electron images of the SUMFOAM Cleaner



Magnification 500 X



Magnification 10.000 X