

Poseidon – One-Step Ion and Particle Filtration

Poseidon – The Ion Exchange Viscose Fibre

Poseidon is a viscose fibre with an incorporated cation exchange functionality which can be regenerated.

Poseidon delivers an extremely high ion exchange rate compared to standard ion exchange resins, due to its much higher surface area.

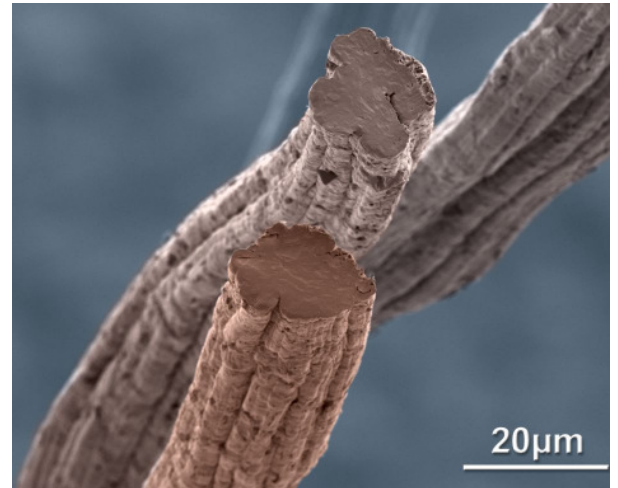
Poseidon gives the opportunity to combine both, particle filtration and ion exchange by using just one type of fibre in a filter medium.

Poseidon is suitable for a wide range of applications to remove disturbing and contaminant cations, like calcium and magnesium from hard water and heavy metals from effluents.

Poseidon can also be loaded with active substances for controlled release in pharmaceutical application and antimicrobial activity.

Poseidon can be converted to nonwovens with standard production equipments and processes.

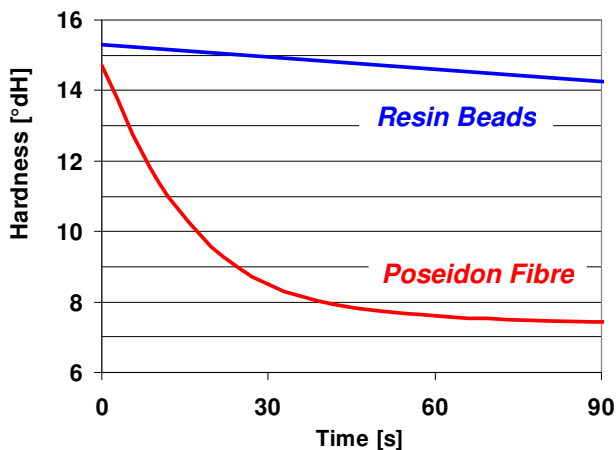
Cross-Section



Availability

Decitex	Staple (mm)	Wet Short Cut (mm)
3.3, 9.0	30, 40, 60	3, 4, 5, 6, 8, 10, 12

Water Softening



Property Profile

Fibre property		Poseidon
Ion Exchange Capacity	mmol/g	1.55
Ionic Form		Na ⁺
Functional Group		Sulfonic
Tenacity	cN/tex	8
Elongation At Break	%	17
Appearance		Pale Beige

For more information about our products please email to: functionalfibres@kelheim-fibres.com or call Germany +49-9441-99561. Please visit also our website www.kelheim-fibres.com

08/2014