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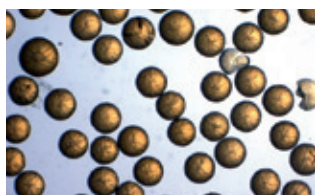
LANXESS
Energizing Chemistry

Lewatit® S 1567 – Special Ion Exchange Resin for the Efficient Softening of Water

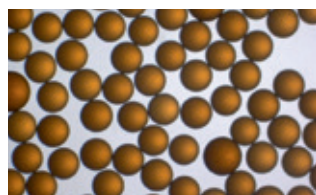
Lewatit® S 1567 is a monodisperse cation exchanger made using a solvent-free production process. It has been developed for the softening of both potable water* in household installations (e.g., softening units equipped with cartridges) and raw water used in industrial plants.

Excellent stability

Lewatit® S 1567 is very economical due to the product's durability and long life. The monodisperse ion exchange matrix is very stable both chemically and mechanically, and its uniformity ensures a homogenous flow through the filter. This minimizes rinse water requirements and maximizes utilization of the regenerant.



Stability of a competitive product



Optimal stability of the monodisperse Lewatit® S 1567

* Relevant certificates are available on demand.

Low content of small particles

Heterodisperse ion exchangers often contain a volume of fines, which may cause system problems. Possible effects are higher pressure loss, blockage of resin strainers, or a reduction in resin volume due to loss of fines from the system. As Lewatit® S 1567 is a monodisperse resin, the content of such fines is minimal.

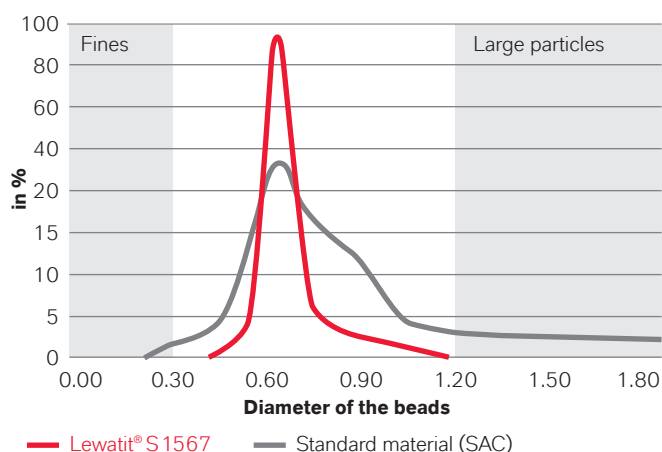


Figure 1: Comparing the bead size distribution of Lewatit® S 1567 with that of a competitive product

Advantages at a glance

- Solvent-free sulfonation
- Simple and improved disinfection
- Monodispersity
- Excellent chemical and mechanical stabilities
- Very low content of fines
- High capacity

Complete disinfection

Modern potable water softening plants are automatically treated during regeneration with a solution of chlorinated sodium chloride. This acts to kill germs, bacteria, or other microorganisms. In some cases, and depending on its structure, the resin is able to cause a considerable loss of disinfectant (e.g., free chlorine). The consequence would be an incomplete removal of germs and microorganisms.

Due to our latest non-solvent technology in the production process of **Lewatit® S 1567** we achieve outstanding product quality with very high stability as well as a bead surface with minimized gaps, unevenness, and roughness compared to other softening resins. This leads to reduced surface fouling through bacteria. Because of these characteristics, the use of free chlorine for disinfection shows higher efficiency. Therefore, the product is specifically designed and perfectly suitable for the softening of water with disinfection units.

Optimal utilization of the total capacity

Monodisperse resins enable rapid kinetics and distinguish themselves with high operating capacities and minimal leakage.

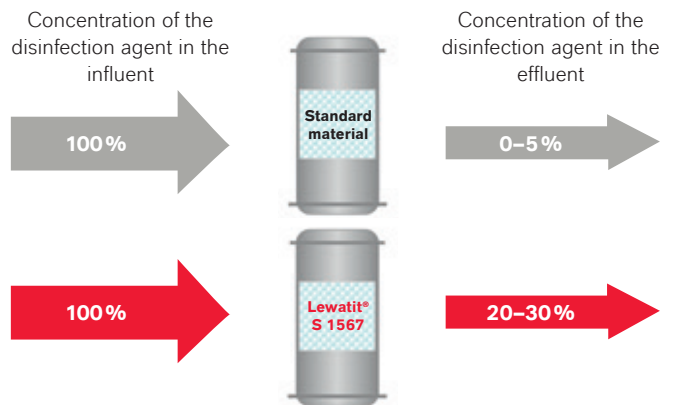


Figure 2: Captive use of a disinfecting agent for the ion exchange resin

We are happy to support your business. Please contact us for additional information: visit www.lpt.lanxess.com



LANXESS Deutschland GmbH
Liquid Purification Technologies
Kennedyplatz 1
50569 Cologne, Germany
Phone: +49 221 8885-0
E-mail: lewatit@lanxess.com

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