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LANXESS
Energizing Chemistry

Lewatit® MonoPlus S 107 NS – a New Monodisperse Gel-type Cation Exchanger for Demineralization

The new monodisperse strong acid cation exchange (SAC) resin from the Lewatit® product family provides economically priced quality for monodisperse resins performance in standard demineralization applications.

- Modern monodisperse non-solvent production
- Different approvals for food applications
- Stable monodisperse matrix with fast kinetic properties
- Low fine and coarse bead content
- Low rinse-water demand
- Low chemicals demand

Lewatit® MonoPlus S 107 NS can be used as a cation exchanger resin component in standard makeup water applications.

Through the special non-solvent production process the resin can also be used in most food and beverage industry demineralization applications.

Advantages

In combination with the monodisperse properties we offer an economic basic-quality resin for makeup water systems.

- Fluidized bed system
- Reverse fluidized bed systems
- Counterflow, counterpressure systems
- Co-flow systems
- Low pressure drop
- Reduced rinse-water consumption

X Lewatit®

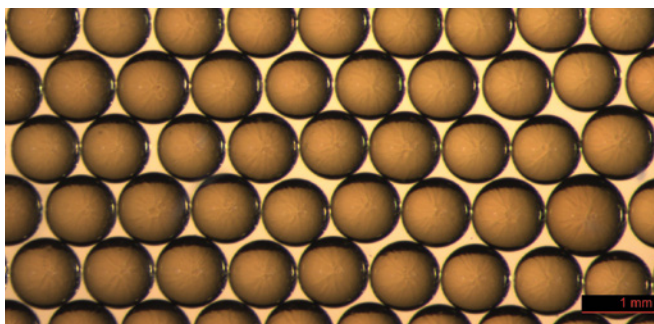
Lewatit® MonoPlus S 107 NS

Ionic form as shipped



Strongly acidic cation exchange resin

- Gel
- Monodisperse
- Functional group: sulfonic acid



Features

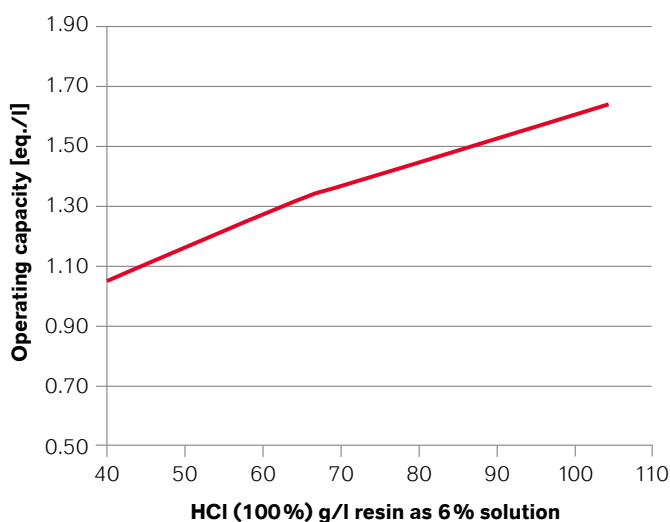
- Low chemicals demand
- High chemical and mechanical stability
- Low fine and coarse bead content

Operating capacity Lewatit® MonoPlus S 107 NS

Test conditions:

System: WS (countercurrent system)
Flow rate: 20 BV/h
Feed water: Leverkusen tap water approx. 500 $\mu\text{S}/\text{cm}$
Temperature: 20°C

Breakthrough point 10 $\mu\text{S}/\text{cm}$ after strong basic anion exchanger



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Note: The information contained in this publication is current as of October, 2017. Please contact your LANXESS representative to determine if this publication has been revised.