

SEPLITE® LSF972

Food grade, Macroporous, Styrene Divinylbenzene copolymer, Type 1

Descriptions

SEPLITE® LSF972 is **sugar grade** macroporous type 1, **strong basic anion resin**.

Due to its macroporous structures, the adsorption and desorption could be easily conducted, it is especially effective for **decolorization** and removal of organic substances from **sugar syrups**. It could be used together with LSF971 for polishing.

It shows high operation capacity and excellent mechanical strength to osmotic and thermal shock during operation.

Manufacturing process is fully compliant with European Union regulation on Ion Exchange Resins and Adsorbers used in the processing of foodstuffs ResAP 2004(3).

Please follow our start-up recommendations which is available upon request, when using our products in food applications.

SEPLITE® LSF972 Macroporous Resin Physical and Chemical Characteristics:

Matrix	Styrene Divinylbenzene copolymer, Macroporous
Functional Group	Type 1 Quaternary Ammonium
Physical Appearance	Ivory beads
Particle range (mm)	0.4-1.25 (min,95%)
Shipping weight (g/ml)	0.65-0.75
Density (g/ml)	1.00-1.10
Total capacity (eq/L)	≥1.1
Moisture Content (%)	50 to 60%
Volume change e (Cl ⁻ → OH ⁻)	22% (Max.)
Shipping form	Cl ⁻

SEPLITE® LSF972 Macroporous Resin Applications:

- Decolorization in **sugar production**
- Decolorization of solutions of organic products

SEPLITE® LSF972 Macroporous Resin Precautions:

Resins should be stored in sealed containers or bags where temperature was above 0°C in dry conditions without exposure to direct sunlight. Do not mix ion exchange resin with strong oxidizing agents; otherwise it will cause violent reactions.

In case of eyes contact with resins, rinse eyes immediately with plenty of water, and consult a specialist. Material and samples must be disposed according to local regulations.

Dry polymers will expand when become wetted and may cause an exothermic reaction. Spilled materials may be slippery.

SEPLITE® and Monojet™ are registered trademarks of Sunresin New Materials Co. Ltd., Xi'an

- This information is general information and may differ from that based on actual conditions. For more information about SEPLITE® resins, please contact SUNRESIN® directly.

All information set forth herein is for informational purposes only. This information is general descriptive(introductory) information of SUNRESIN and its related products, technologies and services. Neither shall constitute the guarantee of SUNRESIN and its affiliates to products, technologies and services in specific fields and specific application conditions results, unless otherwise expressly noted. SUNRESIN and its affiliates assumes no obligation or liability for the information in this document. Customer is responsible for judging whether the information is appropriate for Customer's concrete demand and are obliged to understand whether the use of these products, technologies and services is permitted by the laws and regulations of their countries and relevant regions. Unless expressly stated, no freedom from infringement of use any patent or trademark or intellectual property rights owned by SUNRESIN or its affiliated companies under this document is to be inferred.