PRODUCT INFORMATION

SEPLITE® LSF970

SEPLITE® Gel Strong Acid Cationic exchange resin

Driving the innovation
SUNRESIN
Stock Code 300487

·Descriptions

SEPLITE® LSF 970 is a high purity strong acid cationic exchange resin, gel type.

It is mainly designed for the industrial water softening and demineralization applied in power plant etc., also can be used in house-hold water conditioning equipment.

The high excellent mechanical strength and good ion exchange kinetics makes it a good general-purpose resin in different applications, compared with other resins in market, this resin is distinguished for its long service life.

It is available in other particle size distribution ranges, and available in Na+ or H+ form.

·Physical and Chemical Characteristics

Matrix Structure	Polystyrene Crosslinked with DVB
Shipped form	Sodium or Hydrogen
Physical Appearance	Yellowish Spherical beads
Particle size (mm)*	0.315-1.25
Moisture content (%)*	45-50 (Sodium Form)
Total Capacity(eq/L)*	≥1.9
Bulk Density (g/l)*	770-870
Density (g/l)	1240-1280
Whole beads count (%)	≥95

*All parameters with star are subject to our quality control

·Key features and benefits

- ·High operating capacity
- ·Good kinetic performance
- ·Long lifetime

·Recommended Operating Conditions

Maximum Operating Temperature	120℃		
Service Flow Rate (BV/h)	5-50		
Regeneration			
Regenerants	NaCl	HCl	H2SO4
Concentration (%)	10	5-8	0.7-6
Flow Rate (BV/h)	2-8	2-5	2-20
Minimum Contact Time	30 Minutes		
Fast Rinse (BV/h)	3-5 BV		
PH Range	0-14		
1 BV (Bed Volume) = 1 m3 solution per m3 resin			

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·Applications

- Industrial water softening
- Industrial water demineralization
- Other applications please seek help from Sunresin

·Precautions

Resins should be stored in sealed containers or bags where temperature was above 0℃ 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.

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

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