

PRODUCT INFORMATION

SEPLITE® MA900

SEPLITE® Macro Strong Base Anion



•Descriptions

SEPLITE® MA900 is a strong base anion resin, macro porous type 1.

Due to its macro porous structure, it is especially effective for the adsorption of organic matters and color substances from water and other solutions.

Unique structures of the resins help the adsorption and desorption of the color substances easier.

MA 900 is also widely used in water treatment.

•Physical and Chemical Characteristics

Matrix Structure	Macroporous Polystyrene DVB
Functional group	Quaternary Ammonium, Type 1
Shipping form	OH- form or Cl- form
Physical Appearance	Ivory spheres
Particle size (mm)	0.315-1.25
Moisture content (%)	50-60 (Cl- Form)
Total Capacity(eq/L)	≥1.2
Bulk Density (g/l)	650-730
Density (g/l)	1000-1100
Whole beads count (%)	≥95

•Key features and benefits

- High operating capacity
- Good kinetic performance
- Long lifetime

•Recommended Operating Conditions

Maximum Operating Temperature	35℃ in OH form, 70℃ in Cl form
Service Flow Rate (BV/h)	5-50
Regeneration	≤35℃
Regenerants	NaOH
Concentration (%)	2-5
Flow Rate (BV/h)	3-10
Minimum Contact Time	30 Minutes
Fast Rinse (BV/h)	4-7 BV
PH Range	0-14
1 BV (Bed Volume) = 1 m3 solution per m3 resin	

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•Applications

- Industrial demineralization
- Radioactive element extraction
- Condensate deionization
- Removal of contaminants such as nitrate, arsenate, chromate, uranium etc.

•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.

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