

## SEPLITE® MB28

Cation/Anion volume Ratio 1:1.5

### SEPLITE® MB28 Mixed Bed Resin

SEPLITE®MB28 is a ready to use mixed bed resin, consisted of strong acid cation resin and strong base type 1 anion resin with higher exchange capacity.

The resins are prepared with fixed ratio, with the aim of producing high quality purified water.

It could be loaded either in small cartridges or big industrial resin columns.

By using this mixed bed, projects requiring high demineralized water, low silica, TOC could be handled.

Normally this resin was not suggested being regenerated, if required, by back washing and separating the anion/cation, the resins could be regenerated separately.

The resin loaded with color indicator showing exhaustion is available based on request, i.e. SEPLITE® MB28 IND.

The resins are produced fully in accordance with the FDA (US Food & Drug Administration), also meeting the regulations prescribed under Resolution ResAP (2004) 3 on ion exchange and adsorbent resins used in the processing of foodstuffs.

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

#### SEPLITE® MB28 Mixed Bed Resin Physical and Chemical Characteristics:

Physical and Chemical Characteristics	
Matrix Structure	Polystyrene Crosslinked with DVB
Shipped form	H <sup>+</sup> /OH <sup>-</sup>
Physical Appearance	Mixture spheres
Cation/Anion volume ratio	1:1.5
Functional Group	Sulphonic acid and trimethylammonium
Particle size (mm)	0.315-1.25 (min.95%)
Moisture content (%)	55-65
Bulk Density (g/l)	700-740
Density (g/l)	1100-1200
Whole beads count (%)	≥95

#### SEPLITE® MB28 Mixed Bed 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.

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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.