

GENERAL TECHNOLOGIES, SPC

- High-Quality Services & Products

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D860(AI) Chelating Amino Phosphonic Resin (Designed for second brine purification of producing membrane caustic soda)

Product Description

D860 AI is a special resin with macroporous structure design for fluorine removal applications.

The resin is a macromolecule copolymer with active aluminum group on its styrene-DVB matrix. The function of the chemical structure is to enable fluorine acid radical in water to form stable complex compound, therefore to remove and reduce fluorine concentration level in water. It can reach the National Drinking Water Standard which is below 1mg/L.

D860 AI is designed for many applications such as filter media in residential water treatment units to remove fluorine directly in household water system.

In addition, according to the specific requirement from clients, it could also be used together with other filter materials (e.g. activated carbon or other water softening resins) for water treatment applications.

Caution

Risks of damage to eyes. Rinse immediately with plenty of water under condition of eyes contact, and consult a specialist. Material and samples must be disposed accordingly to local regulations.

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

Typical Physical, Chemical & Operating Characteristics

Appearance	Light yellow to yellow spheres
Shipping form	Na
Function Group	-NHCH ₂ PO ₃ Na ₂
Particle size (mm)	0.45-1.00(≥ 95%)
Adsorption capacity for calcium ions (mmol/ml)	≥0.65
Volume capacity (Na form) (mmol/ml)	≥ 2.4
Moisture (%)	55-65
Density (g/ml)	1.10-1.20
Shipping form (g/ml)	0.70-0.80