

PRODUCT NAME: Softener Resin Ion Exchange Media

Softener Resin is a high capacity, conventional gel polystyrene strong acid cation exchange resin designed for use in residential or industrial water softening equipment.

Resin in sodium form removes hardness ions such as calcium and magnesium by replacing them with sodium. When the resin bed is exhausted the hardness ions begin to pass through the bed.

Functionality is returned by regeneration with concentrated sodium or potassium chloride solutions. The capacity obtained depends largely on the amount of salt used in the regeneration. Typically 15 lbs/ft³ of chemical is used to obtain maximum capacity of up to 33,000 grains per ft³.



Polymer Structure	Polystyrene 8% cross linked with Divinylbenzene	Destiny (lbs / ft ³)	50
Physical Form and Appearance	Spherical Beads	Whole Bead Count	90% Minimum
Functional Groups	Polystyrene Sulfonate	IonicForm (as shipped)	Na +
Mesh Size (US Std)	16 - 50	Moisture Retention, Na + form	45 - 50%
Swelling, Na ⁺ - > H ⁺	5% Maximum	Total Capacity in Sodium Form (me/ml)	1.9
pH Range, Stability	0 - 14		