



## Ion Exchange Resin For Softener

- ◆ High stability
- ◆ High capacity
- ◆ Low extractible content



## ION-S+ RESIN

Ion- S<sup>+</sup> is used in softening hard water and preparing high purity water. In addition, it has applications in hydro-metallurgy, food/beverage processing and pharmaceutical Industry.

### Feature

- High capacity
- Superior chemical and physical stability
- Certified by NSF/ANSI Standard 44



### Specifications

Typical Physical & Chemical Characteristics	
Polymer Structure	Styrene Divinylbenzene Copolymer
Functional Group	Sulphonates
Appearance	Brownish Yellow To Brown
Total Exchange Capacity	4.5 meq/g
Volume Exchange Capacity	≥ 1.9 meq/ml
Ionic Form Group	Na <sup>+</sup> Type
Water Retention	45~50%
Bulk Density	0.78~0.85 g/ml
Special Density	1.25~1.29 g/ml
Particle Size Range	0.315~1.25 mm
Effective Particle Size	0.5~0.9 mm
Homogeneous Coefficient	≤ 1.6
Roundness After Wearing	≥ 95%
Reversible Swelling Na <sup>+</sup> → H <sup>+</sup>	≤ 10%

### Suggested Operating Conditions

PH Range	1~14
Maximum Operating Temperature	H <sup>+</sup> ≤ 100℃ Na <sup>+</sup> ≤ 120℃
Working Exchange Capacity	25℃ ≥ 1000 meq/l (wet)
Concentration of Regenerate Solution	NaCl: 8~10 HCl: 4~5
Consumption of Regenerate	NaCl(8~10%)Vol.:ResinVol.=1.5~2:1 HCl(4~5%)Vol.:ResinVol.= 2~3:1
Regenerant Flow Rate	4~6(m/hr)
Regenerant Contact Time	30~60(mins)
Rinse Flow Rate	10~20(m/hr)
Rinse Time	30(mins)(approx.)
Operating Flow Rate	10~45(m/hr)

**\*\* Package: 25Liter/Bag \*\***