

Gel Type Strong Acid Cation Exchange Resin - Fine

- Higher Operating Capacities
- Minimal Salt Requirements
- Faster Kinetics
- More Effective Iron Removal
- Shallower Bed Requirements
- Less Rinse Water Needed
- Best for Counter-current Regeneration

**Basic Features:**

|                       |   |
|-----------------------|---|
| Application           | Softening of Water                              |
| Polymer Structure     | Gel polystyrene crosslinked with divinylbenzene |
| Appearance            | Spherical Beads                                 |
| Functional Group      | Sulphonic acid                                  |
| Ionic form as shipped | H <sup>+</sup>                                  |

**Typical Physical and Chemical Characteristics:**

|                               |  |                                 |
|-------------------------------|--|---------------------------------|
| Total Capacity (min.)         | H <sup>+</sup>                                 | 1.90 eq/l                       |
| Total Capacity (min.)         | H <sup>+</sup>                                 | 41.50 kGr/ft <sup>3</sup>       |
| Moisture Retention            | Na <sup>+</sup>                                | 45 - 50 %                       |
| Mean Size Typical             |  | 0.38 - 0.50 mm                  |
| Uniformity Coefficient (max.) |  | 1.60                            |
| Reversible Swelling (max.)    | Na <sup>+</sup> → H <sup>+</sup>               | 10 %                            |
| Reversible Swelling (max.)    | Ca <sub>2</sub> <sup>+</sup> → Na <sup>+</sup> | 8 %                             |
| Specific Gravity              |  | 1.27 g/ml                       |
| Shipping Weight (approx.)     |  | 790 - 825 g/l                   |
| Shipping Weight (approx.)     |  | 49.5 - 51.5 lbs/ft <sup>3</sup> |
| Temp Limit                    | H <sup>+</sup>                                 | 120 °C                          |
| Temp Limit                    | H <sup>+</sup>                                 | 250 °F                          |

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|            |                 |        |
|------------|-----------------|--------|
| Temp Limit | Na <sup>+</sup> | 140 °C |
| Temp Limit | Na <sup>+</sup> | 285 °F |
| pH Limits  |                 | 0 - 14 |

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