

Gel-type Strong Acid Cationic Resin

**Basic Features:**

|                       |   |
|-----------------------|---|
| Application           | Uniform Particle Size, Silver Impregnated (Bacteriostatic Properties) Resin |
| Polymer Structure     | Gel polystyrene crosslinked with divinylbenzene                             |
| Appearance            | Spherical beads   |
| Functional Group      | Sulphonic acid  |
| Ionic form as shipped | Na <sup>+</sup> /Ag <sup>+</sup>  |

**Typical Physical and Chemical Characteristics:**

|                               |  |                               |
|-------------------------------|--|-------------------------------|
| Total Capacity (min.)         | Na <sup>+</sup>                                | 1.90 eq/l                     |
| Total Capacity (min.)         | Na <sup>+</sup>                                | 41.48 kGr/ft <sup>3</sup>     |
| Moisture Retention            | Na <sup>+</sup>                                | 46-50 %                       |
| Mean Size Typical             |  | 0.52-0.62 mm                  |
| Uniformity Coefficient (max.) |  | 1.20                          |
| 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.)     |  | 795-830 g/l                   |
| Shipping Weight (approx.)     |  | 49.7-51.9 lbs/ft <sup>3</sup> |
| Temp Limit                    | H <sup>+</sup>                                 | 120 °C                        |
| Temp Limit                    | H <sup>+</sup>                                 | 250 °F                        |
| Temp Limit                    | Na <sup>+</sup>                                | 140 °C                        |
| Temp Limit                    | Na <sup>+</sup>                                | 285 °F                        |
| pH Limits                     |  | 0-14                          |

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