

Macroporous Type I Strong Base Anion Exchange Resin

#### Basic Features:

|                       |  |
|-----------------------|--|
| Application           | Demineralization - High Operating Capacity - Uniformly Sized |
| Polymer Structure     | Macroporous polystyrene crosslinked with divinylbenzene      |
| Appearance            | Spherical beads  |
| Functional Group      | Type 1 Quaternary Ammonium                                   |
| Ionic form as shipped | Cl <sup>-</sup>  |

#### Typical Physical and Chemical Characteristics:

|                               |                                   |                           |
|-------------------------------|-----------------------------------|---------------------------|
| Total Capacity (min.)         | Cl <sup>-</sup>                   | 1 eq/l                    |
| Total Capacity (min.)         | Cl <sup>-</sup>                   | 21.83 kGr/ft <sup>3</sup> |
| Moisture Retention            | Cl <sup>-</sup>                   | 61-66 %                   |
| Mean Size Typical             |                                   | 0.52-0.62 mm              |
| Uniformity Coefficient (max.) |                                   | 1.20                      |
| Reversible Swelling (max.)    | Cl <sup>-</sup> → OH <sup>-</sup> | 20 %                      |
| Specific Gravity              |                                   | 1.08 g/ml                 |
| Shipping Weight (approx.)     |                                   | 670-690 g/l               |
| Temp Limit                    | OH <sup>-</sup>                   | 60 °C                     |
| Temp Limit                    | OH <sup>-</sup>                   | 140 °F                    |
| Temp Limit                    | Cl <sup>-</sup>                   | 100 °C                    |
| Temp Limit                    | Cl <sup>-</sup>                   | 212 °F                    |
| pH Limits                     |                                   | 0-14 (Stability)          |
| pH Limits                     | H <sup>+</sup>                    | 0-11 (Operating)          |



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