## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer Structure</td>
<td>Macroporous polyacrylic crosslinked with divinylbenzene</td>
</tr>
<tr>
<td>Appearance</td>
<td>Spherical Beads</td>
</tr>
<tr>
<td>Functional Group</td>
<td>Carboxylic Acid</td>
</tr>
<tr>
<td>Ionic Form</td>
<td>$\text{H}^+$ form</td>
</tr>
<tr>
<td>Total Capacity</td>
<td>3.6 eq/L (78.7 Kgr/ft³) (H$^+$ form)</td>
</tr>
<tr>
<td>Moisture Retention</td>
<td>53 - 58 % (H$^+$ form)</td>
</tr>
<tr>
<td>Particle Size Range</td>
<td>300 - 1600 µm</td>
</tr>
<tr>
<td>&lt; 300 µm (max.)</td>
<td>0.5 %</td>
</tr>
<tr>
<td>Reversible Swelling, $\text{H}^+ \rightarrow \text{Ca}^{2+}$ (max.)</td>
<td>25 %</td>
</tr>
<tr>
<td>Reversible Swelling, $\text{H}^+ \rightarrow \text{Na}^+$ (max.)</td>
<td>90 %</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.17</td>
</tr>
<tr>
<td>Shipping Weight (approx.)</td>
<td>735 - 770 g/L (45.9 - 48.1 lb/ft³)</td>
</tr>
<tr>
<td>Temperature Limit</td>
<td>120 °C (248.0 °F)</td>
</tr>
</tbody>
</table>

## PRINCIPAL APPLICATIONS
- Deionization
- Softening - Industrial
- Softening - Aqueous organic solutions

## ADVANTAGES
- Excellent kinetics
- High operating capacity
- Excellent selectivity for heavy metals

## SYSTEMS
- Aqueous organic solutions

## REGULATORY APPROVALS
- IFANCA Halal Certified

## TYPICAL PACKAGING
- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack