**PRODUCT DATA SHEET**

**Purolite®**

**MB400QR**

Polystyrenic Gel, Gel, Mixed Bed Resin, Hydrogen form, Hydroxide form, With Indicator

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**TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Spherical Beads</td>
</tr>
<tr>
<td>Moisture Content (max.)</td>
<td>65 %</td>
</tr>
<tr>
<td>Particle Size Range</td>
<td>300 - 1200 µm</td>
</tr>
<tr>
<td>&lt; 300 µm (max.)</td>
<td>1 %</td>
</tr>
<tr>
<td>Uniformity Coefficient (max.)</td>
<td>1.7</td>
</tr>
<tr>
<td>Shipping Weight (approx.)</td>
<td>705 - 740 g/L (44.1 - 46.2 lb/ft³)</td>
</tr>
<tr>
<td>Temperature Limit, Non-Regenerable Bed</td>
<td>100 °C (212.0 °F)</td>
</tr>
<tr>
<td>Temperature Limit, Regenerable Bed</td>
<td>60 °C (140.0 °F)</td>
</tr>
<tr>
<td>Component Name</td>
<td>Gel Strong Acid Cation</td>
</tr>
<tr>
<td></td>
<td>Gel Type I Strong Base Anion</td>
</tr>
<tr>
<td>Polymer Structure</td>
<td>Gel polystyrene crosslinked with divinylbenzene</td>
</tr>
<tr>
<td></td>
<td>Gel polystyrene crosslinked with divinylbenzene</td>
</tr>
<tr>
<td>Functional Group</td>
<td>Sulfonic Acid</td>
</tr>
<tr>
<td></td>
<td>Type I Quaternary Ammonium</td>
</tr>
<tr>
<td>Ionic Form</td>
<td>H⁺ form</td>
</tr>
<tr>
<td></td>
<td>OH⁻ form</td>
</tr>
<tr>
<td>Cation / Anion Volumetric Ratio</td>
<td>40 %</td>
</tr>
<tr>
<td></td>
<td>60 %</td>
</tr>
</tbody>
</table>

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**PRINCIPAL APPLICATIONS**

- Demineralization - Mixed Bed

**ADVANTAGES**

- Dyed Cation to indicate exhaustion
- Freeflowing mixture

**SYSTEMS**

- Coflow regenerated systems
- Counterflow regenerated systems
- Mixed Bed

**TYPICAL PACKAGING**

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)

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**Lenntech Water Treatment Solutions**

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**info@lenntech.com**  **Tel. +31-152-610-900**

**www.lenntech.com**  **Fax. +31-152-616-289**