**Purolite®**

**C100EFM**

Polystyrenic Gel, Strong Acid Cation Resin, Sodium form, Fine Mesh Grade, Potable Water Grade

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**TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer Structure</td>
<td>Gel polystyrene crosslinked with divinylbenzene</td>
</tr>
<tr>
<td>Appearance</td>
<td>Spherical Beads</td>
</tr>
<tr>
<td>Functional Group</td>
<td>Sulfonic Acid</td>
</tr>
<tr>
<td>Ionic Form</td>
<td>Na⁺ form</td>
</tr>
<tr>
<td>Total Capacity</td>
<td>1.9 eq/L (41.5 Kgr/ft³) (Na⁺ form)</td>
</tr>
<tr>
<td>Moisture Retention</td>
<td>45 - 50 % (Na⁺ form)</td>
</tr>
<tr>
<td>Particle Size Range</td>
<td>210 - 600 µm</td>
</tr>
<tr>
<td>&lt; 210 µm (max.)</td>
<td>1 %</td>
</tr>
<tr>
<td>Uniformity Coefficient (max.)</td>
<td>1.6</td>
</tr>
<tr>
<td>Reversible Swelling, Na⁺ → H⁺ (max.)</td>
<td>10 %</td>
</tr>
<tr>
<td>Reversible Swelling, Ca²⁺ → Na⁺ (max.)</td>
<td>8 %</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.27</td>
</tr>
<tr>
<td>Shipping Weight (approx.)</td>
<td>790 - 825 g/L (49.4 - 51.6 lb/ft³)</td>
</tr>
<tr>
<td>Temperature Limit</td>
<td>120 °C (248.0 °F)</td>
</tr>
</tbody>
</table>

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**ADVANTAGES**

- High operating capacity
- Superior regeneration
- Lower rinse volumes
- Superior kinetic performance
- Low extractables

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**SYSTEMS**

- Coflow regenerated systems

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**REGULATORY APPROVALS**

- Certified by the WQA to NSF/ANSI-61 Standard

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**TYPICAL PACKAGING**

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

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**PRINCIPAL APPLICATIONS**

- Softening - Potable Water
- Food and beverage processing
- Softening - Industrial

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**PRODUCT DATA SHEET**

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**Lenntech Water Treatment Solutions**

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