**PRINCIPAL APPLICATIONS**

Used in water purification, high water purification, water treatment, biochemicals.

**Application standards:**

1. PH: 1-14
2. Max operation temperature: OH type ≤40°C, Cl type ≤80°C
3. Shaping dilatability: (Cl→OH) ≤ 18-22
4. Resin height: 1-3 m
5. Concentration of actified solution: NaOH: 4%; HCl: 4-5%
6. Dosage of actified solution: HCl (4-5%) volume: resin volume = 2-3:1
   NaOH (4%) volume: resin volume = 2-3:1
7. Flow of actified solution: 4-6 m/h
8. Regeneration contact time: 60 min
9. Conventional well-flushing flow: 15-25 m/h
10. Conventional well-flushing time: about 20 min
11. Operational flow: 15-25 m/h

**REGULATORY APPROVALS**

ISO9000 & 14001 & 18001

WQA & FDA

IFANCA Halal Certified

Kosher Certified

**TYPICAL PACKAGING**

1 ft³ Sack

25 L Sack
5 ft³ Drum (Fiber)

1 m³ Supersack

42 ft³ Supersack

**TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:**

<table>
<thead>
<tr>
<th>Index name</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture %</td>
<td>42-48</td>
</tr>
<tr>
<td>Complete exchange capacity (mmol/g dry)</td>
<td>3.6</td>
</tr>
<tr>
<td>Wet apparent density (g/ml)</td>
<td>0.66-0.75</td>
</tr>
<tr>
<td>Wet true density (g/ml)</td>
<td>1.06-1.11</td>
</tr>
<tr>
<td>Grainsize (0.315-1.25mm)</td>
<td>≥95</td>
</tr>
<tr>
<td>Sphere rate after abrasion %</td>
<td>≥95</td>
</tr>
</tbody>
</table>

similar to USA: Amberlite IRA-400; Japan: Diaion SA-10A.