PRINCIPAL APPLICATIONS

Used in water softening, water purification, hydrometallurgical concentration, apportion of rare elements, extraction of antibiotics.

Application standards:

1. PH: 1-14
2. Max operation temperature: hydrogen type ≤100°C sodium type ≤120°C
3. Shaping dilatability: (H+ - Na+) 8-10
4. Concentration of actified solution: NaCl:3-10%; HCl:4-5%; NaOH:4-5%
5. Dosage of actified solution: NaCl: (8-10%); volume:resin volume = 1.5-2:1
   HCl(4-5%) volume:resin volume = 2-3:1
   NaOH(4-5%); volume:resin volume = 2-3:1
6. Flow of actified solution: 5-8m/h
7. Regeneration contact time: 30-60 min
8. Conventional well-flushing flow: 10-20m/h
9. Conventional well-flushing time: 30 min
10. Operational flow: 10-40m/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>46-52</td>
</tr>
<tr>
<td>Complete exchange capacity (mmol/g)</td>
<td>4.5</td>
</tr>
<tr>
<td>Wet apparent density (g/ml)</td>
<td>0.77-0.87</td>
</tr>
<tr>
<td>Wet true density (g/ml)</td>
<td>1.24-1.28</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>
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