Resinex™ K-8 FG
Strong acid cation softening resin

Resinex™ K-8 FG is a high purity, premium grade, pretreated, strongly acidic gel-type cation exchange resin specially designed for residential drinking water treatment. The K-8 FG is a bead type, crosslinked, polystyrene divinylbenzene resin that offers excellent bead integrity and very low extractables. The product is highly suitable for a wide variety of drinking water treatment applications. Resinex™ K-8 FG has a light amber color and is specially pretreated to remove taste, odor and color throw.

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Crosslinked polystyrene divinylbenzene</td>
</tr>
<tr>
<td>Form</td>
<td>Gel-type, amber, spherical beads</td>
</tr>
<tr>
<td>Functional group</td>
<td>Sulfonic acid</td>
</tr>
<tr>
<td>Whole bead count</td>
<td>56% min.</td>
</tr>
<tr>
<td>Ionic form, as shipped</td>
<td>Na⁺</td>
</tr>
<tr>
<td>Bead size (0.42 - 1.25 mm)</td>
<td>16x40 US mesh</td>
</tr>
<tr>
<td>Uniformity coefficient</td>
<td>1.60 max.</td>
</tr>
<tr>
<td>Bulk density, as shipped</td>
<td>51 lb/ft³</td>
</tr>
<tr>
<td>Real density</td>
<td>1.28 g/cm³</td>
</tr>
<tr>
<td>Water retention</td>
<td>45 - 48%</td>
</tr>
<tr>
<td>Total capacity (Na⁺ form)</td>
<td>2.00 eq/l min.</td>
</tr>
<tr>
<td>Volume change Ca²⁺ –&gt; Na⁺</td>
<td>2% max.</td>
</tr>
<tr>
<td>Stability, temperature</td>
<td>248°F max.</td>
</tr>
<tr>
<td>Stability, pH</td>
<td>0 - 14</td>
</tr>
<tr>
<td>Color throw</td>
<td>25 APHA max.</td>
</tr>
</tbody>
</table>

Key Features and Benefits

- Pretreated and Rinsed
  Guarantees minimal color throw and eliminates taste and odor
- High Integrity Beads
  Excellent resistance to mechanical degradation ensures low pressure drop
- Low Extractables
  Specially treated to eliminate leaching of organic matter

Typical Applications

- Residential Softening
- Industrial Softening
- Municipal Softening

Standard Packaging

- 1 cu.ft. PE valve bag
- 40 cu.ft. super sack

FOR MORE INFORMATION:

SWEDEN +46 480 417550.
FINLAND +358 9 643602.
GERMANY +49 69 719107-0.
MALAYSIA +60 4 5882122.
UNITED KINGDOM +44 1942 670600.
UNITED STATES +1 215 546 3900.
EMAIL INFO@JACOBI.NET.
WEB WWW.RESINEX-IXR.COM, WWW.JACOBI.NET

This product has been tested and certified to NSF/ANSI Standard 44 for materials safety only. A minimum flow of 0.39 gpm per cubic foot of media is required.
Resinex™ K-8 FG
Strong acid cation softening resin

Pressure Drop

Backwash Expansion

Capacity Information

Hardness Leakage Information

Capacity and Hardness Leakage graphs are shown assuming a service flow of 4 gpm/ft² (32 l/h/l) and total dissolved solids of 400 ppm and 20 grains of total hardness. The hardness leakage will increase and the capacity will decrease while increasing total dissolved solids and total hardness.

NOTICE: If this product is to be used for potable water treatment, or any food grade application, a special procedure must be applied for the initial run. Please ask your nearest Jacobi office for this technical bulletin.

Product Packing

25 lit. polyethylene valve bag
48 bags per pallet

Polypropylene FIBCs
(big bag), 1.000 lit.

NOTICE: Strong oxidizing agents such as nitric acid can react violently with ion exchange resins and cause explosive type reactions. Before using strong oxidants, consult sources knowledgeable in the handling of these materials.

For more information or to contact Jacobi: www.resinex.jacobi.net

NOTICE: Due to the progressive nature of the Jacobi Carbons Group and the continually improving design and performance of our products, we reserve the right to change product specifications without prior notification. The information contained in this datasheet is intended, at most, to serve as a guide for the evaluation and selection of products supplied by Jacobi Carbons. The customer is responsible for determining whether this product is appropriate for a particular use. The information contained in this datasheet is intended to assist a customer in the evaluation and selection of products supplied by Jacobi Carbons. The customer is responsible for determining whether this product is appropriate for a particular use. Jacobi Carbons disclaims any responsibility and the user must accept full responsibility for performance of systems based on this data.