AquaSorb® HS

Acid washed coconut based activated carbon

AquaSorb® HS is an acid washed high purity high activity granular activated carbon manufactured by steam activation from carefully select coconut shells. This activated carbon is produced for use in ultra-pure water treatment systems requiring low conductivity and exceptionally high purity. This activated carbon is also specifically designed for the removal of heavy hydrocarbons from recovered condensate. The acid washing process removes soluble silica from the matrix of the activated carbon to prevent leaching into the condensate.

**SPECIFICATION**

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iodine number</td>
<td>min. 1000 mg/g</td>
</tr>
<tr>
<td>Moisture content</td>
<td>max. 5%</td>
</tr>
<tr>
<td>Total ash content</td>
<td>max. 1%</td>
</tr>
<tr>
<td>Apparent density</td>
<td>min. 460 kg/m³</td>
</tr>
<tr>
<td>pH</td>
<td>5 - 7</td>
</tr>
<tr>
<td>Hardness</td>
<td>min. 98%</td>
</tr>
</tbody>
</table>

**TYPICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface area</td>
<td>1050 m²/g</td>
</tr>
<tr>
<td>CTC activity</td>
<td>55%</td>
</tr>
<tr>
<td>Apparent density</td>
<td>535 kg/m³</td>
</tr>
<tr>
<td>Apparent density, backwashed and drained</td>
<td>455 kg/m³</td>
</tr>
</tbody>
</table>

* SPECIFICATIONS AND TYPICAL PROPERTIES ARE PRODUCED USING JACOBI CARBONS' TEST METHODS. THEY ARE LISTED FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE USED AS PURCHASE SPECIFICATIONS. SALES SPECIFICATIONS CAN BE OBTAINED FROM YOUR JACOBI CARBONS TECHNICAL SALES REPRESENTATIVE AND SHOULD BE REVIEWED BEFORE PLACING AN ORDER.

**Features and Benefits**

- Extensive internal structure
- Optimized density
- Neutral surface
- Maximum hardness
- Extended operational life
- High volume activity
- Rapid pH-stabilization, quick start-up
- Minimized operational losses

**Typical Applications**

- Condensate de-oiling
- Semiconductor process water
- Dialysis treatment
- POE treatment units
- Protection of RO membranes

**Available Particle Sizes**

- 12x40 mesh (0.425 - 1.70 mm)
- 8x30 mesh (0.60 - 2.36 mm)
- Other mesh sizes available

**Certifications and Approvals**

- NSF / ANSI Standard 61
- AWWA B604-95
- EN12915-1
- Halal certified production
- Kosher certified production
- Food chemical codex compliant

**Standard Packaging**

- 25 kg bag (55 lb)
- 500 kg bulk bag (1100 lb)

The polyethylene valve bag from Jacobi sets the standard in the industry for clean, durable and safe handing.
PRODUCTION CAPABILITY
The Jacobi Carbons Group of companies owns and operates manufacturing facilities in nine countries around the world. We produce in excess of 70,000 metric tonnes of high quality activated carbons based on coconut shell, coal and wood, by both chemical and steam (physical) activation methods.

Our facilities are state-of-the-art, and are the most modern production units of their type. Intensive investment in these has ensured that products are manufactured to the most exacting quality standards demanded by our customers.

TECHNICAL SUPPORT AND KNOW-HOW
One of the distinguishing features of Jacobi Carbons is the extremely high level of technical competence within the company. Stand-alone product and technical service departments are staffed by industry-leading specialists in the field of activated carbon application and research. Dedicated laboratory facilities in Europe and North America work with our clients to ensure the optimum result is achieved from the use of our activated carbon products.