Granular and Extruded Activated Carbon for ELCD

Evaporative Loss Control Devices

Activated carbon has been utilized for over 30 years to control evaporative loss emissions in gasoline fueled vehicles throughout the world. As emission regulations have become more stringent and the cost of gasoline has increased, the use of high performance activated carbon products has become an essential component in modern automobiles. Jacobi Carbons has been a supplier of activated carbon in the automotive marketplace, and provides superior quality products, with industry leading technical assistance. Our EcoSorb® products are supplied from our advanced production facility in Vierzon, France; an established and high quality manufacturing unit for activated carbon in Europe. Vierzon acts as our primary facility for ELCD products with distribution sites in both Asia and North America.

Product Typical Properties

Apparent Density – Jacobi Carbons EcoSorb® FX series products offer superior performance with low apparent density, which will result in a low weight filter.

Gasoline Working Capacity – Jacobi Carbons EcoSorb® FX series products are produced with optimal gasoline working capacity in mind. By providing a wide range of gasoline working capacity products, Jacobi Carbons can provide the optimal product, without needing to force a less desirable product. Particle Size – Jacobi Carbons EcoSorb® FX series is supplied in 8x18, 8x25, and 8x35 mesh to optimize performance both in terms of gasoline working capacity and pressure drop. The extruded series is supplied in 2 mm diameter pellets.

<table>
<thead>
<tr>
<th>Property</th>
<th>EcoSorb® FX184</th>
<th>EcoSorb® FX1084</th>
<th>EcoSorb® FX1184</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apparent Density (g/cc)</td>
<td>0.357</td>
<td>0.309</td>
<td>0.307</td>
</tr>
<tr>
<td>Butane Activity (%), minimum</td>
<td>35</td>
<td>46</td>
<td>51</td>
</tr>
<tr>
<td>Butane Working Capacity (w/v), minimum</td>
<td>9.5</td>
<td>10.5</td>
<td>12</td>
</tr>
<tr>
<td>Gasoline Working Capacity (w/v), minimum</td>
<td>44</td>
<td>51</td>
<td>57</td>
</tr>
<tr>
<td>Mesh Size</td>
<td>8x18, 8x25, 8x35, 2mm</td>
<td>8x18, 8x25, 8x35, 2mm</td>
<td>8x18, 8x25, 8x35, 2mm</td>
</tr>
</tbody>
</table>

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Gasoline Working Capacity

Although typical properties can provide some information to the end user in terms of carbon selection, the gasoline working capacity over many adsorption/desorption cycles is the most important performance parameter. Jacobi Carbons is fully equipped to develop working capacity data in a state of the art laboratory located in Vierzon, France.

**Figure I** shows gasoline working capacity data over many adsorption/desorption cycles for the granular EcoSorb FX1084 and FX1184 products.

**Figure II** shows gasoline working capacity data over many adsorption/desorption cycles for the pelleted FX184 and FX1084 products.

The Jacobi Carbon Advantage

- Consistent product performance
- Exacting product quality
- Superior packaging
- In-depth technical support
- Reliable supply logistics

For more information or to contact Jacobi visit: [www.jacobi.net](http://www.jacobi.net)