OLC 12x40 Coconut Granular Activated Carbon

Applications
- Wastewater
- Environmental Water
- Surface Water
- Ground Water
- Water Processing
- Industrial Wastewater
- Pond/Aquarium/Swim
- Drinking Water (Potable)

Description
OLC 12x40 coconut activated carbon can be used in a variety of water, wastewater and process liquid applications for the removal of dissolved organic compounds. OLC 12x40 has been used in applications such as process water purification, wastewater treatment and industrial chemical purification.

Features / Benefits
- Coconut carbon
- Low ash
- A strongly adsorbing pore structure optimal for the treatment of chlorine and other organics
- High hardness relative to other raw materials
- Hardness and abrasion resistance required for thermal reactivation and minimizing generation of fines in operations requiring backwashing
- Pore structure provides a wide range of contaminant removal capabilities

Specifications

<table>
<thead>
<tr>
<th>OLC 12x40</th>
<th>Specifications</th>
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</thead>
<tbody>
<tr>
<td>Iodine Number, mg/g</td>
<td>1050 min</td>
</tr>
<tr>
<td>Ash, wt%</td>
<td>4.0 max</td>
</tr>
<tr>
<td>Moisture (As packaged), wt%</td>
<td>5 max</td>
</tr>
<tr>
<td>Density (Apparent), g/cc</td>
<td>0.48 min</td>
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<tr>
<td>Hardness Number</td>
<td>95 min</td>
</tr>
<tr>
<td>12 US Mesh [1.70 mm], wt%</td>
<td>5 max</td>
</tr>
<tr>
<td>&lt; 40 US Mesh [0.425 mm] (PAN), wt%</td>
<td>4 max</td>
</tr>
</tbody>
</table>

Safety Message
Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be followed.
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Design Considerations
OLC 12x40 coconut activated carbon is typically applied in down-flow packed-bed operations using both pressure and gravity systems. Design considerations for a carbon system is based on the user's operating conditions, the treatment objectives desired, and chemical nature of the compounds being adsorbed. In general, downflow superficial velocity can be from 1 gpm/ft² to 10 gpm/ft², depending on the application and contact times can vary from 7.5 minutes to hours. Design may vary based on the type of liquid, contaminants to remove, and desired treatment objectives.