**CENTAUR-C® 12x40**

*Catalytic Granular Activated Carbon*

**Applications**

- Industrial Processes
- Landfill Leachate
- Water Processing
- Wastewater
- Environmental Water
- Pond/Aquarium/Swim
- Groundwater
- Drinking Water (Potable)
- Consumer Filtration

**Features / Benefits**

- Combines a fine pore structure and high catalytic activity for enhanced adsorption of trace contaminants
- Not impregnated
- High hardness
- Simple equipment design (no pumps or addition of chemicals required)
- Smaller system size as compared to standard carbons; lower capital requirements
- No safety concerns with exotherms or toxicity as with impregnated carbons
- Wide applicability; can eliminate chemical addition

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>CENTAUR-C 12x40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iodine Number, mg/g</td>
<td>900 (min)</td>
</tr>
<tr>
<td>Ash, wt%</td>
<td>5 (max)</td>
</tr>
<tr>
<td>Moisture (As Packaged), wt%</td>
<td>5 (max)</td>
</tr>
<tr>
<td>Density (Apparent), g/cc</td>
<td>0.50 (min)</td>
</tr>
<tr>
<td>12 US Mesh [1.70mm], wt%</td>
<td>5.0 (max)</td>
</tr>
<tr>
<td>&lt;40 US Mesh [0.425mm] (PAN), wt%</td>
<td>4.0 (max)</td>
</tr>
</tbody>
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**Description**

CENTAUR-C 12x40 can be utilized in the liquid phase for the promotion of oxidation, reduction, decomposition, substitution, and elimination reactions. Specific applications include chloramines and hydrogen sulfide removal from potable, process and other waters and peroxide destruction.

The catalytic activity and enhanced adsorption ability makes CENTAUR-C 12x40 a good performer in other applications such as the treatment of process water in the bottling and soft drink industries and in treating aquarium water.

**Environmental Water**

- Pond/Aquarium/Swim
- Drinking Water (Potable)
- Consumer Filtration

**Drinking Water (Potable)**

- Industrial Processes
- Consumer Filtration

**Industrial Processes**

- Bottle & Brewing
- Pond/Aquarium/Swim
- Groundwater

**Bottle & Brewing**

- Drinking Water (Potable)
- Pond/Aquarium/Swim
- Groundwater

**Pond/Aquarium/Swim**

- Drinking Water (Potable)
- Groundwater

**Groundwater**

- Drinking Water (Potable)

**Drinking Water (Potable)**

- Groundwater

**Consumer Filtration**

- Drinking Water (Potable)

**Drinking Water (Potable) Safe for Consumption**

- Drinking Water (Potable)

**Drinking Water (Potable) Safe for Consumption**

- Drinking Water (Potable)

**Drinking Water (Potable) Safe for Consumption**

- Drinking Water (Potable)
**Typical Pressure Drop (CENTAUR-C 12x40)**

Based on a backwashed and segregated bed

**Typical Bed Expansion During Backwash**

Centaur-C 12x40 with Water

Purchase of this product from Calgon Carbon Corporation includes a license under the following U.S. Patents: 5356849 and 5494869

**Design Considerations**

CENTAUR-C 12x40 is intended primarily for use in liquid phase applications where maximization of catalytic reaction is desired. Depending on the reactant type, concentrations and process conditions, the contact time in fixed bed systems is typically less than seven minutes.