**GeoRock®**  
**Geotextile Sand Container Datasheet:**  
**1.0M³ CONTAINER STANDARD GRADE**

## DESCRIPTION

GeoRock® Geotextile Sand Containers are made of very robust staple fibre geotextile layers sewn together with a UV Stable polyester/polypropylene yarn.

### GEOTEXTILE PROPERTIES

<table>
<thead>
<tr>
<th>Properties</th>
<th>Units</th>
<th>Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Staple fibre geotextile</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass</td>
<td>g/m²</td>
<td>2800</td>
<td>AS3706.1</td>
</tr>
<tr>
<td>Tensile Strength (Toughness)</td>
<td>kN/m²</td>
<td>15</td>
<td>AS3706.2</td>
</tr>
<tr>
<td>Cross Direction</td>
<td>kN/m²</td>
<td>20</td>
<td>AS3706.2</td>
</tr>
<tr>
<td>Puncture Resistance</td>
<td>CBR</td>
<td>10</td>
<td>AS3706.4</td>
</tr>
<tr>
<td>Drop Cone</td>
<td>mm</td>
<td>0</td>
<td>EN ISO 13433</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>kN/m</td>
<td>30</td>
<td>BAW Abrasion Test</td>
</tr>
</tbody>
</table>

### SEWING CONNECTION PROPERTIES

The sewing utilizes a straight lock chain stitch and overlock stitch using UV stabilized polymer yarns.

<table>
<thead>
<tr>
<th>Properties</th>
<th>Units</th>
<th>Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seam Strength</td>
<td>kN/m</td>
<td>39</td>
<td>AS3706.6</td>
</tr>
<tr>
<td>Cross Direction</td>
<td>kN/m</td>
<td>49</td>
<td>AS3706.6</td>
</tr>
</tbody>
</table>

### UV RESISTANCE

<table>
<thead>
<tr>
<th>Properties</th>
<th>Units</th>
<th>Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retained Tensile Strength</td>
<td>kN/m</td>
<td>25</td>
<td>ASTM D4355</td>
</tr>
<tr>
<td>After 500 Hours</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>After 1000 Hours</td>
<td></td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>After 2000 Hours</td>
<td></td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

### FILLED PROPERTIES

The Geotextile Sand Containers once filled with sand and ready for placement with suitable equipment will have the following characteristics:

- Typical Fill: 2.1m Long x 1.2m Wide x 0.4m Deep
- Typical Filled Mass: Approximately 1700kg based on filling with sand of density 1650kg/m³

### SCOUR/ANCHOR FLAP OPTION

An additional geotextile flap can be integrally connected to the container to assist in preventing under scour of sand filled geotextile container structures.

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**IMPORTANT NOTICE**

The information provided in this document is general in content and offered in good faith. The content does not consider site specific locality and conditions. Data and specifications contained in this guideline are values obtained from laboratory testing. The right is reserved to make changes without notice at any time. Please consult your regional Global Synthetic representative to confirm current specification values. If you have any doubts as to the installation instructions or the application on your site, please contact us for clarification before commencing installation. It is recommended that advice be obtained from a qualified consulting engineer for your design and application requirements.

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- Geotextiles  
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- Wick Drains  
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