



Geotextile Sand Container Specification: 1.0M3 CONTAINER STANDARD GRADE

DESCRIPTION

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

GEOTEXTILE FEATURES

- High tensile strength
- High penetration resistance
- High permeability
- Excellent fines retention
- Abrasion resistant staple fibre construction
- High UV resistance

GEOTEXTILE TYPICAL PROPERTIES

Staple fibre geotextile

| PROPERTIES | | UNITS | VALUE | TEST METHOD |
|------------------------------|-------------------|-------------------|-------|-------------------|
| Mass | | g/m ² | 800 * | AS3706.1 |
| Tensile Strength (Toughness) | Machine Direction | kJ/m ² | 15 | AS3706.2 |
| | Cross Direction | kJ/m ² | 20 | |
| Puncture Resistance | CBR | kN | 10* | AS3706.4 |
| | Drop Cone | mm | 0 | EN ISO 13433 |
| Abrasion Resistance | BAW Rotating Drum | kN/m | 26 | BAW Abrasion Test |

SEWING CONNECTION PROPERTIES

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

| | | | | |
|---------------|-------------------|------|----|----------|
| Seam Strength | Machine Direction | kN/m | 25 | AS3706.6 |
| | Cross Direction | kN/m | 30 | |

UV RESISTANCE

| | | | | |
|---|------------------|------|----|------------|
| Retained Tensile Strength after UV Exposure | After 500 Hours | kN/m | 25 | ASTM D4355 |
| | After 1000 Hours | kN/m | 19 | |
| | After 2000 Hours | kN/m | 18 | |

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/m ³ |

SCOUR/ANCHOR FLAP OPTION

| | |
|-------------------|---|
| Scour/Anchor Flap | An additional geotextile flap can be integrally connected to the container to assist in preventing under scour of sand filled geotextile container structures |
|-------------------|---|

* Denotes MARV (Minimum Average Roll Values). Other technical values are Mean values based on testing over long periods of time. The right is reserved to make changes without notice at any time.

DISTRIBUTORS OF :

- Geotextiles**
- Geogrids**
- Dewatering Tubes**
- Subsoil Drainage**
- Wick Drains**
- Erosion Control**
- Gabions & Rock Mattresses**
- Industrial Fabrics**
- Lining Systems**

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 technical values are mean values and are indicative. The right is reserved to make changes without notice at any time. Please consult your regional Global Synthetics 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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