Geotextile Sand Container Specification:

0.75M3 CONTAINER VANDAL RESISTANT 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. In Vandal Resistant format, the outer geotextile features a heavy, coarse Polypropylene geotextile which traps sand particles within its structure to provide a vandal resistant and durable outer layer.

INNER LAYER FEATURES

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

OUTER LAYER FEATURES

- Excellent durability and robustness
- Abrasion resistance
- High friction surface
- High UV resistance
- Neutral environmental colour – sandy beige
- Vandal resistance

GEOTEXTILE TYPICAL PROPERTIES

Staple fibre composite geotextile

PROPERTIES		UNITS	VALUE	TEST METHOD
Mass		g/m^2	1200*	AS3706.1
Tensile Strength (Toughness)	Machine Direction	kJ/m^2	25	AS3706.2
	Cross Direction	kJ/m^2	30	
Puncture Resistance	CBR	kN	11*	AS3706.4
	Drop Cone	mm	0	EN ISO 13433
Abrasion Resistance	BAW Rotating Drum	kN/m	25	BAW Abrasion Test

SEWING CONNECTION PROPERTIES

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

Seam Strength	Machine Direction	kN/m	35	AS3706.6
	Cross Direction	kN/m	35	
UV RESISTANCE				
Retained Tensile Strength after UV Exposure	After 500 Hours	kN/m	32	ASTM D4355
	After 1000 Hours	kN/m	30	
	After 2000 Hours	kN/m	26	

FILLED PROPERTIES

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

Typical Fill	1.6m Long x 1.2m Wide x 0.4m Deep
Typical Filled Mass	Approximately 1300kg 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.

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JUNE .16

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