

Technical Data Sheet



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Secutex® Soft Rock RS 1001 a

Product description: Secutex® Soft Rock is a geotextile sand container to provide a multi-functional construction element for coastal hydraulic engineering applied as filter, erosion control and scour protection element. These geotextile sand containers (GSC) are made of a double-layered, robust and abrasion resistant needle-punched nonwoven composite, closed along three sides. One side is left open completely for closing on-site with hand-sewing machines. Permanent UV exposure should be avoided.

Property	Test method*	Unit	
Geotextile, polypropylene			(Secutex RS 1001 a)
Raw material (filter layer)	-	-	UV-stabilized polypropylene (PP), white
Raw material (protection layer)	-	-	polypropylene (PP), beige
Mass per unit area (total product)	EN ISO 9864 / EN 965	g/m ²	1,000
Mass per unit area (filter layer)	EN ISO 9864 / EN 965	g/m ²	approx. 600
Mass per unit area (protection layer)	EN ISO 9864 / EN 965	g/m ²	approx. 400
Thickness	EN ISO 9863-1 / EN 964-1	mm	7.0
Max. tensile strength, md/cmd	EN ISO 10319	kN/m	35.0 / 35.0
Elongation at max. tensile strength, md/cmd	EN ISO 10319	%	50 / 50
CBR puncture	EN ISO 12236	N	7,000
Characteristic opening size	EN ISO 12956	µm	80
Water permeability			
- V _{H50} -Index	EN ISO 11058	m/s	2.8 x 10 ⁻²
- Flow rate _{H50}		l/(s m ²)	28
Geotextile container condition upon delivery (empty):			
Raw material, overlock stitch	-	-	polypropylen (PP)
Tensile strength of the factory-made seam	EN ISO 10321	kN/m	35.0
Available finished outer dimensions, width / length	-	m / m	1.45 x 2.38
Available filling volume	-	m ³	approx. 1.0
Geotextile container in filled condition			
The dimension and the weight may vary depending on the installation density of the filling material, filling method, handling and installation specific factors.			

*based on

The listed technical values are guiding values, achieved in our laboratories and/or independent testing institutes. Our products are subject to changes without prior notice.