Technical Data Sheet

Secutex®
Soft Rock RS 801 a

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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 801 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/m²	800	
Mass per unit area (filter layer)	EN ISO 9864 / EN 965	g/m²	approx. 600	
Mass per unit area (protection layer)	EN ISO 9864 / EN 965	g/m²	approx. 200	
Thickness	EN ISO 9863-1 / EN 964-1	mm	5.5	
Max. tensile strength, md/cmd	EN ISO 10319	kN/m	35.0 / 35.0	
Max. tensile strength after abrasion, md/cmd	EN ISO 10319	kN/m	30.5 / 30.5	
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 - Flow rate$_{H50}$	EN ISO 11058	m/s l/(s m²)	3.0×10^{-2} 30	
Geotextile container condition upon delivery (empty):				
Raw material, overlock stitch	-	-	polypropylen (PP)	
Tensile strength of the factory-made seam before and after abrasion	EN ISO 10321	kN/m	30.0	
Available finished outer dimensions, width / length	-	m / m	*1.45 x 1.29*	*1.45 x 2.38*
Available filling volume	-	m³	*approx. 0.43*	*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.