

Technical Data Sheet

Secutex® Soft Rock R 601



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Product description:

Geotextile container made of single layered, robust, abrasion resistant mechanically bonded nonwoven, closed along three sides, for the filling with sand or other mineral material. Secutex® Soft Rock is a multi-functional construction element for coastal hydraulic engineering applied as filter, erosion control and scour protection element for unexposed application.

Property	Test method*	Unit	
Geotextile, polypropylene (white)		(Secutex R 601)	
Raw material	-	-	UV-stabilized polypropylene (PP), white
Mass per unit area	EN ISO 9864	g/m ²	600
Thickness	EN ISO 9863-1	mm	5.0
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	30.0 / 45.0
Elongation at max. tensile strength, md / cmd**	EN ISO 10319	%	50 / 40
Static puncture strength	EN ISO 12236	N	7,000
Characteristic opening size	EN ISO 12956	µm	80
Water permeability			
- V _{H50} -Index	EN ISO 11058	m/s	3.0 x 10 ⁻²
- Flow rate _{H50}		l/(m ² s)	30
- water permeability	calculated according to TLG from V _{H50}	m/s	2.3 x 10 ⁻³
Filter stability	According to RPG of BAW	soil type	A and B
Dynamic puncture resistance	According to RPG of BAW	Nm	1.800
Abrasion resistance (rotation drum)	According to RPG of BAW	yes/no	yes
Geotextile container condition upon delivery (for example):			
Tensile strength of the factory-made seam	EN ISO 10321	kN/m	30.0
Finished outer dimensions, width / length	-	m / m	1.45 / 2.38
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. According to experience Secutex® Soft Rocks can be installed by reaching construction heights (lying) of about 40 cm with a filling volume of 1m ³ .			

*based on, **md = machine direction, cmd = cross machine direction

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.