

Geotextiles for filtration and separation

Secutex® C



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Product description:

Needle punched and calendered nonwoven geotextiles

Property	Test method*	Unit	R 151 C	R 201 C	R 251 C	R 301 C	R 401 C	R 501 C
Raw material	-	-	polypropylene (PP), white					
Mass per unit area	EN ISO 9864	g/m ²	≥ 135	≥ 180	≥ 225	≥ 270	≥ 360	≥ 450
Thickness	EN ISO 9863-1	mm	1.0	1.2	1.4	1.6	1.9	2.4
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	10.5 / 10.5	14.5 / 15.0	18.0 / 18.0	22.5 / 24.0	30.0 / 32.0	35.0 / 37.0
Elongation at max. tensile strength, md / cmd**	EN ISO 10319	%	40 / 45	40 / 45	40 / 45	45 / 45	45 / 45	45 / 45
Puncture force	EN ISO 12236	N	1,800	2,700	3,300	4,200	5,500	6,600
Displacement	EN ISO 12236	mm	50	50	50	50	50	50
Dynamic perforation resistance	EN ISO 13433	mm	24	18	14	10.8	8	7
Characteristic opening size	EN ISO 12956	µm	90	80	80	70	70	60
Water permeability	EN ISO 11058	m/s l/(m ² s)	1.0 x 10 ⁻¹ 100	7.5 x 10 ⁻² 75	6.0 x 10 ⁻² 60	5.0 x 10 ⁻² 50	3.5 x 10 ⁻² 35	3.0 x 10 ⁻² 30
- VI _{H50} -Index - Flow rate _{H50}								
Detector tested	-	-	yes	yes	yes	yes	yes	yes

*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.