

Multifunctional geotextiles for separation, filtration and protection

Secutex® PP white



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Product description:

Single-layered needle-punched staple fibre nonwoven geotextiles

Property	Test method*	Unit	R 301	R 401	R 501	R 601	R 801	R 1001	R 1201
Raw material	-	-				polypropylene (PP), white			
Mass per unit area	EN ISO 9864	g/m ²	300	400	500	600	800	1.000	1.200
Thickness	EN ISO 9863-1	mm	3.0	3.9	4.3	5.0	5.3	7.0	8.2
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	22.5 / 24.0	30.0 / 32.0	35.0 / 37.0	42.0 / 45.0	52.0 / 56.0	50.0 / 80.0	63.0 / 100.0
Elongation at max. tensile strength, md / cmd**	EN ISO 10319	%	50 / 50	50 / 50	50 / 50	50 / 50	60 / 50	60 / 50	60 / 50
Puncture force	EN ISO 12236	N	4,200	5,400	6,700	8,000	10,600	13,000	14,000
Displacement at static puncture strength	EN ISO 12236	mm	50	50	50	50	50	50	50
Characteristic opening size	EN ISO 12956	µm	90	80	80	70	70	60	60
Water permeability	EN ISO 11058	m/s l/(m ² s)	7.0 x 10 ⁻² 70	5.5 x 10 ⁻² 55	4.5 x 10 ⁻² 45	3.0 x 10 ⁻² 30	2.5 x 10 ⁻² 25	1.8 x 10 ⁻² 18	1.5 x 10 ⁻² 15
- VI _{H50} -Index - Flow rate _{H50}									
Detector tested	-	-	yes	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.