

Geotextiles for road construction

Secutex® GRK C



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Product description: Needle punched and calendered geotextiles for application in road construction

Property	Test method*	Unit	151 GRK 3 C	201 GRK 3 C	251 GRK 4 C	301 GRK 5 C
Raw material	-	-	polypropylene (PP), white			
Mass per unit area	EN ISO 9864	g/m ²	150	200	250	300
Thickness	EN ISO 9863-1	mm	1.0	1.2	1.4	1.6
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	6.0 / 10.0	7.5 / 12.0	9.5 / 18.0	13.0 / 22.0
Elongation at max. tensile strength, md / cmd**	EN ISO 10319	%	50 / 30	50 / 30	50 / 30	50 / 30
Puncture force	EN ISO 12236	N	1,670	1,750	2,780	3,890
Displacement at static puncture strength	EN ISO 12236	mm	30	30	30	30
Characteristic opening size	EN ISO 12956	mm	0.08	0.08	0.07	0.07
Water permeability						
- VI _{H50} -Index	EN ISO 11058	m/s	8.0 x 10 ⁻²	6.0 x 10 ⁻²	5.0 x 10 ⁻²	4.0 x 10 ⁻²
- Flow rate _{H50}		l/sm ²	80	60	50	40
Water flow rate in the plane, at 2 kPa (h/h, l=1)	EN ISO 12958	l/(ms)	4 x 10 ⁻³	4 x 10 ⁻³	3 x 10 ⁻³	2 x 10 ⁻³
Detector tested	-	-	yes	yes	yes	yes
Roll dimensions, width x length	-	m x m	5.90 x 150	5.90 x 150	5.90 x 125	5.90 x 100

*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.