

Secutex® GRK C



Description:

Needle punched and calendered nonwoven 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	401 GRK 5 C	
Raw material	-	-	polypropylene (PP), white					
Mass per unit area	EN ISO 9864	g/m ²	≥ 150	≥ 180	≥ 250	≥ 300	400	
Thickness	EN ISO 9863-1	mm	0.9	1.1	1.3	1.5	1.8	
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	7.5 / 11.0	9.0 / 14.0	12.0 / 18.0	16.0 / 23.0	25.0 / 32.0	
Elongation at max. tensile strength, md / cmd**	EN ISO 10319	%	40 / 30	40 / 30	40 / 30	40 / 30	40 / 30	
Puncture force	EN ISO 12236	N	1,670	1,800	2,780	3,890	5,000	
Displacement at static puncture strength	EN ISO 12236	mm	30	30	30	30	30	
Characteristic opening size	EN ISO 12956	µm	80	70	70	60	60	
Water permeability	EN ISO 11058	m/s	8.0 x 10 ⁻²	6.0 x 10 ⁻²	4.0 x 10 ⁻²	3.5 x 10 ⁻²	3.0 x 10 ⁻²	
- V _{H50} -Index - Flow rate _{H50}		l/(m ² s)	80	60	40	35	30	
Water flow rate in the plane, at 2 kPa (h/h, l=1)	EN ISO 12958	l/(ms)	3 x 10 ⁻³	3 x 10 ⁻³	3 x 10 ⁻³	3 x 10 ⁻³	4.0 x 10 ⁻³	
Detector tested	-	-	yes	yes	yes	yes	yes	

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