

NONWOVEN GEOTEXTILE SNG Series

Nonwoven Geotextile (SNG Series) are made from PP fibres that are tangled together by a needle-punching process. The fibres that achieve their strength by interlocking. Needle-punched non-woven Geotextiles have excellent water flow rates and are used for filtration of soil fines for drainage applications including trench drains, as a wrapping for perforated pipe, for erosion protection, and combined with three-dimensional structures to create prefabricated drains.

Product Specifications

PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE VALUE						
			SNG 150	SNG 200	SNG 300	SNG 400	SNG 500	SNG 600	SNG 800
Grab Tensile Strength	ASTM D 4632	N/m	520	800	1100	1500	2000	2200	2800
Grab Elongation	ASTM D 4632	%	50~90	50~90	50~90	50~100	50~100	50~100	50~100
Tensile Strength	ASTM D 4595	kN/m	5.5	10	12.0	20	26	33	45
Elongation	ASTM D 4595	%	50~100	50~100	50~100	50~80	50~80	50~80	50~80
Trapezoidal Tear Strength	ASTM D 4533	kN	0.20	0.28	0.35	0.40	0.48	0.55	0.65
CBR Puncture Resistance	ASTM D 6241	kN	1.40	1.80	3.50	4.30	4.50	5.50	6.50
UV Resistance (retained after 500 hours)	ASTM D 4355	%	70	70	70	70	70	70	70

NOTES:

·The values given are Minimum Average Values except elongation and UV resistance. Elongation is a Maximum Value and UV is a typical value.

·Mass per unit area has a tolerance of ±10%.

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