

NONWOVEN GEOTEXTILE FNG Series

Nonwoven Geotextiles (FNG Series) are made from continue PET fibers that are tangled together by a needle-punching process. The fibers that achieve their strength by interlocking. They 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						
			FNG 150	FNG 200	FNG 250	FNG 350	FNG 500	FNG 600	FNG 800
Mass Per Unit Area	ASTM D 5261	g/m ²	150	200	250	350	500	600	800
Thickness	ASTM D 5199	mm	1.2	1.6	1.9	2.5	3.4	4.2	5.5
Tensile strength	ASTM D 4595	kN/m	7.5	10	12.5	17.5	25	30	40
Elongation	ASTM D 4595	%	40~80						
Apparent Opening Size	ASTM D 4751	mm	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Permittivity	ASTM D 4491	sec ⁻¹	NA	NA	NA	NA	NA	NA	NA
Water Flow Rate	ASTM D 4491	l/min/m ²	2500	2500	2500	2500	2500	2500	2500
Trapezoidal Tear Strength	ASTM D 4533	kN	0.21	0.28	0.35	0.49	0.70	0.82	1.10
CBR Puncture Resistance	ASTM D 6241	kN	1.40	1.80	2.20	3.00	4.70	5.50	7.00
UV Resistance (retained after 500 hours)	ASTM D 4355	%	70	70	70	70	70	70	70
ROLL DIMENSIONS									
Roll Width		m	4	4	4	4	4	4	4
Roll Length		m	100	100	100	100	70	65	50
Roll Weight		Kg	60	80	100	140	140	156	160

NOTES:

·The values given are Minimum Average Values except UV resistance. UV is a typical value.

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

This information is provided for reference purposes only and is not intended as a warranty or guarantee. Boatup Geosynthetics assumes no liability in connection with the use of this information. Specifications subject to change without notice.

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