

DK Non-woven Geotextile

Non-woven Geotextile is Continuous Filament Needle punched non-woven Geotextile made from Polyester, formed by the process of needle punching and thermally bonding, offers optimum performance per unit weight. TMP Non-woven Geotextile provides effective and economical solution of separation, filtration, drainage, protection and reinforcement functions for engineering projects.

AT THE CORE:

Nonwoven Geotextile
engineered for soil reinforcement, separation, filtration and drainage applications

Product Specifications

Filament Spunbonded Needle-punched Nonwoven Geotextiles											
Index Properties	Test Method	Unit	GT150N	GT200N	GT250N	GT300N	GT350N	GT400N	GT450N	GT500N	GT600N
Color	-	-	White or Black								
Ultimate Tensile Strength, MD	ASTM D4595	kN/m	11	14	17	19	24	27	30	37	41
Ultimate Tensile Strength, TD	ASTM D4595	kN/m	10	12	15	17	21	25	28	34	38
Tensile Elongation	ASTM D4595	%	45	50	50	50	60	60	60	60	60
Grab Tensile Strength, MD	ASTM D4632	N	600	850	1000	1250	1450	1700	1900	2100	2500
Grab Tensile Strength, TD	ASTM D4632	N	550	700	900	1100	1250	1450	1600	1800	2150
Grab Elongation	ASTM D4632	%	45	50	50	50	60	60	60	60	60
Trapezoid Tear Strength, MD	ASTM D4533	N	300	350	430	490	540	630	710	770	920
Trapezoid Tear Strength, TD	ASTM D4533	N	270	330	400	450	510	610	690	750	900
CBR Puncture Strength	ASTM D6241	N	1800	2300	2700	3200	3600	4400	4800	5800	6900
Apparent Opening Size O90	ASTM D4751	mm	0.11	0.11	0.1	0.09	0.09	0.08	0.08	0.08	0.08
Water Flow Q100	ASTM D4491	L/m ² /s	235	220	200	185	165	125	110	90	80
U.V. Resistance	ASTM D4355	%@500h	70	70	70	70	70	70	70	70	70
Weight	ASTM D5261	g/m ²	150	200	250	300	350	400	450	500	600
Thickness	ASTM D5199	mm	1.8	2.3	2.9	3.2	3.6	3.9	4.2	4.4	4.8
Roll Width	-	m	6	6	6	6	6	6	6	6	6
Roll Length	-	m	200	150	100	100	100	80	80	50	50

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