

NON-WOVEN GEOTEXTILE (PET)

Nonwoven geotextile made from either polyester (PET) continuous filament yarns by needle-punched manufacturing process. Applicate to separate, filter, reinforce, protect, retain or drain soil. Jinseed have excellent Tensile strength & grab tensile. Applicate to use in various harsh environments.



FEATURE

- Excellent tensile strength
- High permeability and excellen filter capacity
- Good resistance to chemical & biological degradation
- Advanced stabillization

SPECIFICATION

FINISH

● BLACK ○ WHITE ○ CUSTOMIZED

GRAM WEIGHT (gsm)

100 200 300 400 500 600 700 800

ROLL WIDTH (m)

2.0 3.0 6.0

ROLL LENGTH (m)

50 75 100 125 150 175 200

APPLICATION



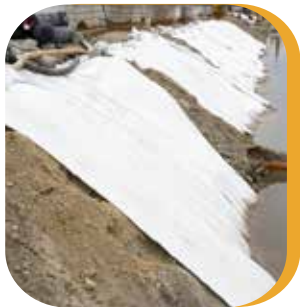
ROADS



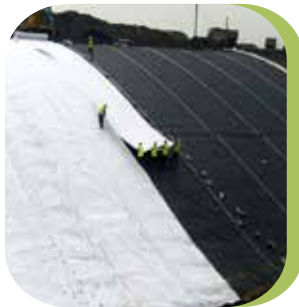
DRAINAGE SYSTEM



RAILWAYS



EROSION CONTROL SYSTEM



CANALS



BASINS AND DAMS



TUNNELS

JINSEED Non-woven Geotextiles Properties													
Physical Properties	ASTM	125	150	175	200	240	260	300	400	500	600	700	800
Mass per unit area	D5261	125 g/ m²	150 g/ m²	175 g/ m²	200 g/ m²	240 g/ m²	260 g/ m²	300g/ m²	400 g/ m²	500 g/ m²	600 g/ m²	700 g/ m²	800 g/ m²
Thickness	D5199	1.1 mm	1.3 mm	1.5 mm	1.7 mm	2.0 mm	2.3 mm	2.6 mm	3.0 mm	3.9 mm	4.4 mm	4.8mm	5.2 mm
Roll width		1m, 2m, 3m, 6m											
Mechanical Properties													
Grab Tensile MD	D4632	590 N	690 N	830 N	880 N	1200 N	1350 N	1600 N	2050 N	2500 N	3000 N	3400N	3800 N
Grab Tensile TD	D4632	600 N	720 N	850 N	900 N	1210 N	1380 N	1600 N	2050 N	2550 N	3015 N	3400N	3800 N
Grab Elong. CMD	D4632	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Tensile Srength MD	D4595	9.5(±0.5) KN/m	11(±0.5) KN/m	13(±0.5) KN/m	15(±0.5) KN/m	19(±0.5) KN/m	21(±0.5) KN/m	23(±0.5) KN/m	27(±0.5) KN/m	34(±0.5) KN/m	39(±0.5) KN/m	42(±0.5) KN/m	45(±0.5) KN/m
Tensile Srength TD	D4595	9.5(±0.5) KN/m	11(±0.5) KN/m	13(±0.5) KN/m	15(±0.5) KN/m	20(±0.5) KN/m	21(±0.5) KN/m	23(±0.5) KN/m	27(±0.5) KN/m	34(±0.5) KN/m	39(±0.5) KN/m	42(±0.5) KN/m	45(±0.5) KN/m
Tensile Elong. CMD	D4595	30-80%	30-80%	30-80%	30-80%	30-80%	30-80%	30-80%	30-80%	30-80%	30-80%	30 80%	30-80%
Trapezoid Tear Strength MD	D4533	240 N	265 N	270 N	350 N	450 N	470 N	540 N	610 N	800 N	920 N	1150 N	1380 N
Trapezoid Tear Strength TD	D4533	245 N	280 N	290 N	360 N	460 N	480 N	550 N	650 N	820 N	950 N	1070 N	1200 N
CBR Puncture Strength	D6241	1500 N	1850N	1950 N	2500 N	3100 N	3300 N	3800 N	4600 N	6100 N	7500 N	8800 N	10000 N
Hydraulic Properties													
Apparent Opening Size O90	D4751	0.11 mm	0.11 mm	0.1 mm	0.1 mm	0.1 mm	0.09 mm	0.09 mm	0.09 mm	0.08 mm	0.08 mm	0.07mm	0.06 mm
Flow Rate @50mm Head	D4491	100 l/sec/m²	90 l/sec/m²	75 l/sec/m²	70 l/sec/m²	62 l/sec/m²	55l/sec/m²	50 l/sec/m²	40 l/sec/m²	35 l/sec/m²	30 l/sec/m²	25 l/sec/m²	20 l/sec/m²
Form of Supply - 40 HQ Container													
Width	D4751	6 m	6 m	6 m	6 m	6 m	6 m	6 m	6 m	6 m	6 m	6 m	6 m
Length	D4491	200 m	160 m	135 m	120 m	95 m	90 m	75 m	58 m	48 m	38 m	60 m	50 m
Area	D4751	1200 m2	900 m2	810 m2	720 m2	570 m2	540 m2	450 m2	348 m2	288 m2	228 m2	360 m2	300 m2
Weight of roll	D4491	150 kg	144 kg	141.75 kg	144 kg	136.8 kg	140.4 kg	135 kg	139.2 kg	144 kg	136.8 kg	252 kg	240 kg
40 HQ LOADING	D4751	10500 kg	10080 kg	9922.5 kg	10080 kg	9576 kg	9828 kg	9450 kg	9744 kg	10080 kg	9576 kg	10080 kg	9600 kg