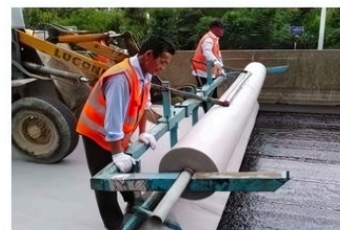




TDF G Series Polyester Continuous Filament Geotextiles

TDF G Series geotextiles are needle-punched continuous filament geotextiles and made of 100% virgin polyester with excellent aging resistance. They can replace traditional construction materials & methods, making construction safer, and solving basic problems in construction in a more economical, effective and lasting manner.



High Puncture Strength

Polyester filament geotextiles can ensure the three-dimensional porosity of geotextiles, which is conducive to the realization of excellent hydraulical properties. The puncture strength of geotextiles have great advantages, especially suitable for reinforcement of retaining walls and embankment.

Creep Resistance

Many engineering problems involve creep, polyester filament geotextiles have better creep resistance than other geotextiles, so they have better long-term durability.

Excellent UV Resistance

Compared with other polymer geotextiles, polyester continuous filament geotextiles have more excellent UV resistance and are more suitable for short-term exposed construction environments and applications.

Easy To Line

Polyester spunbonded needle-punched geotextile has low needle-punched density, the fabric surface is soft and not stiff, more convenient to lay and install, and fits the working surface better.

Roughly guidance of geotextile slection

	G100	G150	G200	G250	G300	G350	G400	G450	G500	G600	G800
Pavement construction Reinforcing soft subgrade											
Hydraulical engineering Separation & protection											
Landfill, drainage Protecting geomembranes											
Railway construction Drainage											
Environmental protection Filtration & Erosion control											



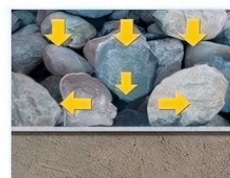
Filtration



Drainage



Reinforcement



Separation



Erosion Control



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Properties	Unit	G100	G150	G200	G250	G300	G350	G400	G450	G500	G600	G800
Identification Properties												
Mass Per Unit Area [ISO 9864]	g/m ²	100	150	200	250	300	350	400	450	500	600	800
Thickness 2 pKa [ISO 9863-1]	mm	1.0	1.6	2.0	2.3	2.6	3.0	3.4	3.7	4.0	4.5	5.7
Mechanical Properties												
Tensile Strength [ISO 10319]	kN/m	5	8.7	11.5	16	19	21	23	25	26	32	40
Elongation at Max. Load* [ISO 10319]	%						50-80					
Grab Strength [ASTM D4632]	N	300	600	900	1200	1400	1600	1800	2000	2300	2800	3700
Grab Elongation* [ASTM D4632]	%						50-80					
CBR Puncture Resistance [ISO 12236]	N	1100	1650	2300	3100	3420	4300	5000	0	6000	6500	7200
Trapezoidal Tear Strength [ISO 9073-4]	N	180	270	340	400	480	540	610	0	750	850	990
Hydraulic Properties												
Permeability(50mm Head)* [ISO 11058]	m/s						0.01-0.2					
Open Size O ₉₀ * [ISO 12956]	mm						0.07-0.2					
Durable Properties												
UV Resistance After 500 hrs [ASTM D4355]	%	> 85	> 85	> 85	> 85	> 85	> 85	> 85	> 85	> 85	> 85	> 85
Packaging												
Roll Width	m	≤4.2	≤4.2	≤4.2	≤4.2	≤4.2	≤4.2	≤4.2	≤4.2	≤4.2	≤4.2	≤4.2
Roll Length	m	Customizable and Optimal Load Solution										

The values given here are average values obtained in our laboratories and in third-party independent laboratories.

* The values given here are interval values.

The right is reserved to make changes without notice any time.