CAVE
GEOSYNTHETIC
SOLUTIONS

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CGS NCF-TEX

CGS NCF-TEX is a high grade Non-Woven Continuous Filament Polyester Geotextile.

Our CGS NCF-TEX is an industry leading product with properties such as high resistance to stress, puncture, and tear but also high permeability. Therefore, our CGS NCF-TEX offers optimum soil retention and stability in accordance with the characteristics of its function as a filtration and separator.

Property	Test Method	Units	CF 150	CF 200	CF 250	CF 300	CF 350	CF 400	CF 500	CF 600
Fiber Identification										
MASS	ASTM D 3770	gr/m²	160	215	260	300	350	405	505	605
Thickness 2kPa	ASTM D 1777	mm	1,5	2.0	2,25	2.85	3.5	3.90	4.90	6.20
Tensile Strength	ASTM D 4595	kN	11	15	≥ 20	25.5	30.5	35.5	40.5	48.2
Elongation	ASTM D 4595	%	70	70	70	70	70	70	70	70
Grab Strength	ASTM D 4632	kN/m	0.65	0.90	1.3	1.90	2.48	3.5	4.2	5.5
Grab Elongation	ASTM D 4632	%	80	80	80	80	80	80	80	80
Index Puncture Resistance	ASTM D 4833	kN	0.2	0.45	0.60	0.85	1.1	1.4	1.8	2.0
CBR Puncture Resistance	DIN 54307	N	1850	2550	3100	3755	4260	4750	5950	6265
Tear Strength	ASTM D 4533	N	280	370	479	552	602	680	720	850
Pore Size	ASTM D 4753	mm	110-90	120-90	90 -80	90-80	90-80	90-80	80-70	80-70
Water Flow 50 mm Head	ASTM D 4491	l/m²/sec	105	95	50	55	50	50	50	50
Water Flow 1000 mm Head			190	170	120	145	120	115	110	105
Pearmeability	EN ISO 11058	m/sec	3×10^{-3}	3×10^{-3}	3×10^{-3}	3×10^{-3}	3×10^{-3}	3×10^{-3}	3×10^{-3}	3×10^{-3}
UV Resistance	ASTM D 4355	90% Strength retention after 500 hours outdoor weathering								
Roll Width		M	4/6	4/6	4/6	4/6	4/6	4/6	4/6	4/6
Roll Lenght		M	100	100	100	100	100	100	100	100
Colour			White	White	White	White	White	White	White	White