

CGS W-TEX

CGS W-TEX is top quality woven geotextile, locally made from high grade Polypropylene fibre, designed to support even the most demanding infrastructure projects. CGS W-TEX's properties which include resistance to intense UV rays, high tensile strength, smaller elongation as well as high stability makes it the best option for ground reinforcement.

Application of CGS Woven Geotex:

- ✓ Road Construction
- ✓ Basal Reinforcement
- ✓ Construction of Sports Field
- ✓ Reclamation and Breakwater
- ✓ Slope and Wall Reinforcement
- ✓ Railway and Athletic Field
- ✓ The Construction of Dam and Irrigation Infrastructure

Specification	Test Method	Units	WG15	WG20	WG25
Physical Properties					
Polymer			Polypropylene		
Colour	ASTM D 5261		Black	Black	Black
Mass Weight		g/m ²	150	200	250
Mechanical Properties					
Tensile Strength (MD)	ASTM D 4595	kN/m	32	46	58
Tensile Strength (CD)	ASTM D 4595	kN/m	30	45	56
Elongation (MD)	ASTM D 4595	%	22	21	20
Elongation (CD)	ASTM D 4595	%	21	20	19
Trapezoidal Tear Strength (MD)	ASTM D 4533	N	620	875	1020
Trapezoidal Tear Strength (CD)	ASTM D 4533	N	583	791	950
	ASTM D 4833	N	340	523	773
CBR Puncture Resistance	ASTM D 6241	N	5950	6280	6592
Grab Strength (MD)	ASTM D 4632	N	1053	1435	1718
Grab Strength (CD)	ASTM D 4632	N	1008	1295	1450
Hydraulic Properties					
Apparent Opening Size	ASTM D 4751	Mm	0.3	0.28	0.29
Flow Rate	ASTM D 4491	l/m ² /sec	780	1080	1210
Permeability	ASTM D 4491	cm/sec	0.03	0.04	0.05
Permittivity	ASTM D 4491	Sec-1	0.39	0.43	0.49
Dimension Roll					
3.8 dan 4 m					
Roll Length		m	200	200	150
Roll Diameter		m	0.4	0.5	0.53