

WOVEN GEOTEXTILE SWG Series

Polypropylene silt film woven geotextile (SWG Series) is used between subgrade and subbase. It prevents solid articles and other aggregates mixed into soil. This type of woven geotextile is the most economical layer for separation and reinforcement.

Product Specifications

PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE VALUE						
			SWG 16-16	SWG 20-20	SWG 33-33	SWG 40-40	SWG 50-50	SWG 60-60	SWG 80-80
Tensile Strength, MD	ASTM D 4595	KN/m	16	20	33	40	50	60	80
Tensile Strength, CD	ASTM D 4595	KN/m	16	20	33	40	50	60	80
Elongation, MD	ASTM D 4595	%	25	25	25	25	25	25	25
Elongation, CD	ASTM D 4595	%	25	25	25	25	25	25	25
Apparent Opening Size	ASTM D 4751	mm	0.2~0.6	0.2~0.6	0.2~0.6	0.2~0.6	0.2~0.6	0.2~0.6	0.2~0.6
Permittivity	ASTM D 4491	sec ⁻¹	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Water Flow Rate	ASTM D 4491	l/min/m ²	160	160	200	200	200	200	200
Trapezoidal Tear Strength	ASTM D 4533	KN	0.24	0.30	0.49	0.50	0.60	0.72	0.88
CBR Ejection Force	ASTM D 6241	kN	1.28	1.60	2.60	3.20	4.00	4.80	6.00
UV Resistance (% retained after 500 hours)	ASTM D 4355	%	70	70	70	70	70	70	70
ROLL DIMENSIONS									
Roll Width		m	3.81, 5.20, 5.33 size can be customized						
Roll Length		m	size can be customized						

NOTES:

- The values given are Minimum Average Values except elongation and UV resistance. Elongation is a Maximum Value and UV is a typical value.
- Mass per unit area has a tolerance of ±10%.

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