

# GEO 14.0-4800/30W



# GeoCHEM INCORPORATED

## Woven Geotextile

GEO 14.0-4800/30W is a woven geotextile made of 100% high-tenacity polypropylene yarns. GEO 14.0-4800/30W resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GEO 14.0-4800/30W meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight - Typical	ASTM D-5261	14.0 oz/sy	475 g/sm
Tensile Strength	ASTM D-4632	475 x 440 lbs	2,114 x 1,958 N
Elongation @ Break	ASTM D-4632	12 x 6%	12 x 6%
Wide Width Tensile	ASTM D-4595	4,800 x 4,800 lbs/ft (400 x 400 lbs/in)	70 x 70 kN/m
Wide Width Tensile @ 2% Strain	ASTM D-4595	960 x 1,320 lbs/ft	14 x 19.3 kN/m
Wide Width Tensile @ 5% Strain	ASTM D-4595	2,400 x 2,700 lbs/ft	35 x 39.4 kN/m
Wide Width Tensile @ 10% Strain	ASTM D-4595	4,800 x 4,800 lbs/ft	70 x 70 kN/m
CBR Puncture	ASTM D-6241	2,000 lbs	8,896 N
Trapezoidal Tear	ASTM D-4533	180 x 180 lbs	801 x 801 N
Apparent Opening Size	ASTM D-4751	30 US Sieve	0.60 mm
Permittivity	ASTM D-4491	.40 Sec-1	.40 Sec-1
Permeability	ASTM D-4491	.05 cm/sec	.05 cm/sec
Water Flow Rate	ASTM D-4491	30 g/min/sf	1,222 l/m in/sm
UV Resistance @ 500 Hours	ASTM D-4355	80%	80%

ROLL SIZE	AREA	WEIGHT
15' x 300'	500 sqy	475 lbs

\* Historical averages (current values not available): Mullen Burst Strength ASTM D3786 is no longer recognized by ASTM D-35 on Geosynthetics as an acceptable test method. Puncture Strength ASTM D4833 is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D6241.

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