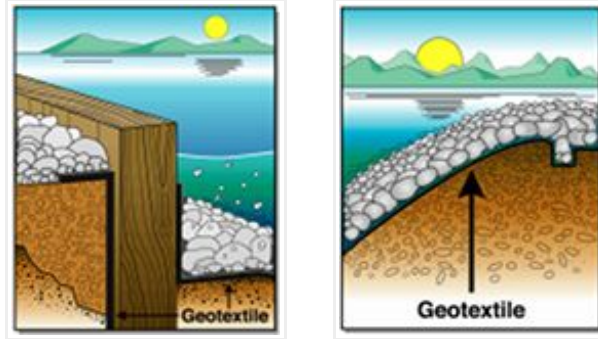


# GEO 5.6-670W

## Woven Filtration



GEO 5.6-670W is a woven, calendared, monofilament filtration geotextile made of 100% high-tenacity polypropylene yarns. A Percent Open Area of 4-6%, gives it excellent hydraulic properties, while reducing the chances of clogging. GEO 5.6-670W resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GEO 5.6-670W will satisfy the requirements as outlined in AASHTO M-288-06 for Permanent Erosion Control & Subsurface Drainage Class 2 & 3 (>15% fines) and meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight - Typical	ASTM D-5261	5.6 oz/sy	190 g/sm
Tensile Strength	ASTM D-4632	370 x 250 lbs	1,646 x 1,112 N
Elongation @ Break	ASTM D-4632	15 x 15%	15 x 15%
Wide Width Tensile	ASTM D-4595	2,700 x 1,740 lbs/ft (225 x 145 lbs/in)	40 x 26 kN/m
Wide Width Elongation	ASTM D-4595	17 x 15%	17 x 15%
Mullen Burst*	ASTM D-3786*	450 psi	3,100 kPa
Puncture Strength*	ASTM D-4833*	120 lbs	534 N
CBR Puncture	ASTM D-6241	950 lbs	4,228 N
Trapezoidal Tear	ASTM D-4533	100 x 60 lbs	445 x 267 N
Apparent Opening Size	ASTM D-4751	70 US Sieve	0.212 mm
Permittivity	ASTM D-4491	0.28 Sec-1	0.28 Sec-1
Water Flow Rate	ASTM D-4491	18 g/min/sf	733 l/min/sm
Percent Open Area	CW-02215	4-6%	4-6%
UV Resistance @ 500 Hours	ASTM D-4355	90%	90%

ROLL SIZE	AREA	WEIGHT
12' x 300'	400 sqy	200 lbs
6' x 300'	200 sqy	105 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.

This information is provided for reference only and is not intended as a warranty or guarantee. GEOCHEM, INC assumes no liability in connection with the use of this information (1/2013).

GeoCHEM, Inc. - Phone: (907) 562-5755 ~ Fax: 206.219.3740  
 WA State Sales - Phone: (206) 774.8777 ~ Toll Free: 1 (800) 490.5320  
<http://www.geocheminc.com>