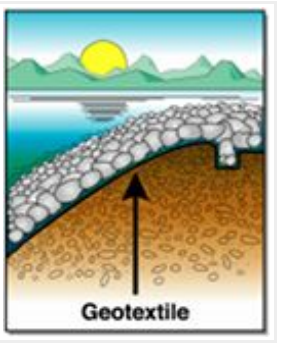
GEO 7.0-180NW

Nonwoven Geotextile

GEO 7.0-180 NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. GEO 7.0-180 NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GEO 7.0-180 NW meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight - Typical	ASTM D-5261	7.0 oz/sy	237 g/sm
Tensile Strength	ASTM D-4632	180 lbs	800 N
Elongation @ Break	ASTM D-4632	50%	50%
Mullen Burst*	ASTM D-3786*	330 psi	2,275 kPa
Puncture Strength*	ASTM D-4833*	105 lbs	467 N
CBR Puncture	ASTM D-6241	475 lbs	2,114 N
Trapezoidal Tear	ASTM D-4533	75 lbs	333 N
Apparent Opening Size	ASTM D-4751	70 US Sieve	0.212 mm
Permittivity	ASTM D-4491	1.40 Sec-1	1.40 Sec-1
Water Flow Rate	ASTM D-4491	100 g/min/sf	4,074 l/min/sm
UV Resistance @ 500 Hours	ASTM D-4355	70%	70%

ROLL SIZE	AREA	WEIGHT
12.5' x 360'	500 sys	240 lbs
15' x 300'	500 sys	240 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).

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