

GEO 4.0-100NW

Nonwoven Geotextile



GeoCHEM
INCORPORATED

GEO 4.0-100NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments.

GEO 4.0-100NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GEO 4.0-100NW meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight - Typical	ASTM D-5261	4.0 oz/sy	136 g/sm
Tensile Strength	ASTM D-4632	100 lbs	445 N
Elongation @ Break	ASTM D-4632	50%	50%
Mullen Burst*	ASTM D-3786*	210 psi	1,448 kPa
Puncture Strength*	ASTM D-4833*	65 lbs	289 N
CBR Puncture	ASTM D-6241	300 lbs	1,335 N
Trapezoidal Tear	ASTM D-4533	50 lbs	222 N
Apparent Opening Size	ASTM D-4751	70 US Sieve	0.212 mm
Permittivity	ASTM D-4491	2.00 Sec-1	2.00 Sec-1
Water Flow Rate	ASTM D-4491	140 g/min/sf	5,689 l/min/sm
UV Resistance @ 500 Hours	ASTM D-4355	70%	70%

ROLL SIZE	AREA	WEIGHT
12.5' x 360'	500 sq yds	146 lbs
15' x 360'	600 sq yds	172 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>