

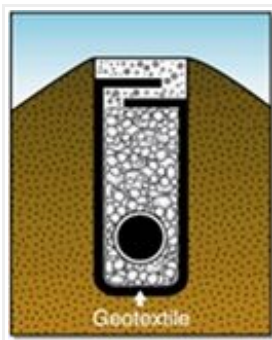
# GEO 3.1-80NW

## Nonwoven Geotextile



**GeoCHEM**  
INCORPORATED

GEO 3.1-80NW is a nonwoven needlepunched geotextile made of 100 % polypropylene staple filaments. GEO 3.1-80NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GEO 3.1-80NW meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight - Typical	ASTM D-5261	3.1 oz/sy	105 g/sm
Tensile Strength	ASTM D-4632	80 lbs	356 N
Elongation @ Break	ASTM D-4632	50%	50%
Mullen Burst*	ASTM D-3786*	145 psi	1,000 kPa
Puncture Strength*	ASTM D-4833*	40 lbs	178 N
CBR Puncture	ASTM D-6241	175 lbs	779 N
Trapezoidal Tear	ASTM D-4533	30 lbs	133 N
Apparent Opening Size	ASTM D-4751	50 US Sieve	0.30 mm
Permittivity	ASTM D-4491	2.20 Sec-1	2.20 Sec-1
Water Flow Rate	ASTM D-4491	150 g/min/sf	6,095 l/m in/sm
UV Resistance @ 500 Hours	ASTM D-4355	70%	70%

ROLL SIZE	AREA	WEIGHT
12.5' x 360'	500 sqy	125 lbs
15' x 360'	600 sqy	145 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>