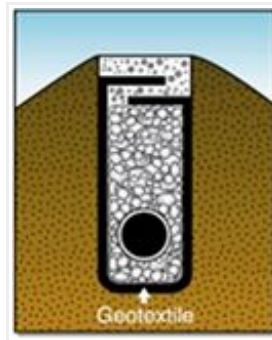


# GEO 4.5-120NW

## Nonwoven Geotextile



GEO 4.5-120NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. GEO 4.5- 120NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GEO 4.5- 120NW will satisfy the requirements as outlined in AASHTOM-288-06 for Class 3 applications and meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight - Typical	ASTM D-5261	4.5 oz/sy	142 g/sm
Tensile Strength	ASTM D-4632	120 lbs	533 N
Elongation @ Break	ASTM D-4632	50%	50%
Mullen Burst*	ASTM D-3786*	225 psi	1,551 kPa
Puncture Strength*	ASTM D-4833*	65 lbs	289 N
CBR Puncture	ASTM D-6241	340 lbs	1,513 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	1.70 Sec-1	1.70 Sec-1
Water Flow Rate	ASTM D-4491	120 g/min/sf	4,885 l/m <sup>2</sup> /sm
UV Resistance @ 500 Hours	ASTM D-4355	70%	70%

ROLL SIZE	AREA	WEIGHT
12.5' x 360'	500 sqy	172 lbs
15' x 360'	600 sqy	200 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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