

GEO 6.0-160NW

Nonwoven Geotextile



GEO 6.0-160 NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. GEO 6.0-160 NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GEO 6.0-160 NW will satisfy the requirements as outlined in AASHTOM-288-06 for Class 2 applications and meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight - Typical	ASTM D-5261	6.0 oz/sy	203 g/sm
Tensile Strength	ASTM D-4632	160 lbs	711 N
Elongation @ Break	ASTM D-4632	50%	50%
Mullen Burst*	ASTM D-3786*	305 psi	2,103 kPa
Puncture Strength*	ASTM D-4833*	90 lbs	400 N
CBR Puncture	ASTM D-6241	410 lbs	1,824 N
Trapezoidal Tear	ASTM D-4533	60 lbs	267 N
Apparent Opening Size	ASTM D-4751	70 US Sieve	0.212 mm
Permittivity	ASTM D-4491	1.50 Sec-1	1.50 Sec-1
Water Flow Rate	ASTM D-4491	110 g/min/sf	4,480 l/min/sm
UV Resistance @ 500 Hours	ASTM D-4355	70%	70%

ROLL SIZE	AREA	WEIGHT
12.5' x 360'	500 sqy	215 lbs
15' x 300'	500 sqy	215 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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