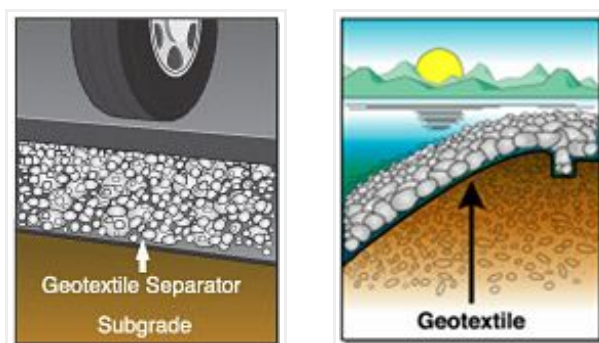


# GEO 4.0-105NW



## Nonwoven Geotextile

GEO 4.0-105 is a 4 OZ MARV WEIGHT nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. GEO 4.0-105NW is resistant to ultraviolet deterioration, rotting, biological degradation, naturally encountered bases and acids. Polypropylene is stable within a pH range of 2 to 13. US 10 5 NW meets the following M.A.R.V. values:



| PROPERTY                  | TEST METHOD | ENGLISH                          | METRIC                           |
|---------------------------|-------------|----------------------------------|----------------------------------|
| Weight                    | ASTM D-5261 | 4 oz/sy                          | 135 g/sm                         |
| Tensile Strength          | ASTM D-4632 | 105 lbs                          | 467 N                            |
| Elongation @ Break        | ASTM D-4632 | 50%                              | 50%                              |
| Thickness                 | ASTM D-5199 | 70 mils (at time of manufacture) | 1.77 mm (at time of manufacture) |
| CBR Puncture              | ASTM D-6241 | 305 lbs                          | 1,360 N                          |
| Trapezoidal Tear          | ASTM D-4533 | 45 lbs                           | 20 N                             |
| Apparent Opening Size     | ASTM D-4751 | 80 US Sieve                      | 0.180 mm                         |
| Permittivity              | ASTM D-4491 | 2.00 Sec-1                       | 2.00 Sec-1                       |
| Permeability              | ASTM D-4491 | 0.3 cm/sec                       | 0.3 cm/sec                       |
| Water Flow Rate           | ASTM D-4491 | 160 g/min/sf                     | 6,518 l/min/sm                   |
| UV Resistance @ 500 Hours | ASTM D-4355 | 70%                              | 70%                              |

| ROLL SIZE  | AREA    | WEIGHT  |
|------------|---------|---------|
| 15' x 300' | 500 sys | 140 lbs |

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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