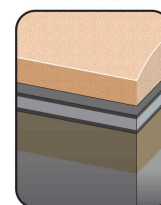




GEOMEMBRANE
CUSHION



GEO 225NWE (Environmental)

GEO 225NWE is an 8 OZ MARV WEIGHT nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. GEO 225NWE is resistant to ultraviolet deterioration, rotting, biological degradation, naturally encountered bases and acids. Polypropylene is stable within a pH range of 2 to 13. GEO 225NWE meets the following M.A.R.V. values:

| Property | Test Method | English | Metric |
|---------------------------|-------------|-----------------------------------|---------------------------------|
| Weight | ASTM D-5261 | 8 oz/sy | 271 g/sm |
| Tensile Strength | ASTM D-4632 | 225 lbs | 1,000 N |
| Elongation @ Break | ASTM D-4632 | 50% | 50% |
| Thickness | ASTM D-5199 | 100 mils (at time of manufacture) | 2.5 mm (at time of manufacture) |
| CBR Puncture | ASTM D-6241 | 600 lbs | 2,900 N |
| Trapezoidal Tear | ASTM D-4533 | 90 lbs | 400 N |
| Apparent Opening Size | ASTM D-4751 | 80 US Sieve | 0.180 mm |
| Permittivity | ASTM D-4491 | 1.26 Sec-1 | 1.26 Sec-1 |
| Permeability | ASTM D-4491 | .30 cm/sec | 0.30 cm/sec |
| Water Flow Rate | ASTM D-4491 | 100 g/min/sf | 4,074 l/min/sm |
| UV Resistance @ 500 Hours | ASTM D-4355 | 70% | 70% |

| Roll Size | Roll Diameter | Area | Weight |
|------------|---------------|-----------|---------|
| 15' x 690' | 31.0 in | 1,150 sqy | 620 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 (1/2017).

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