

GEO 6.9-2700W

Woven Geotextile



GeoCHEM
Incorporated

GEO 6.9-2700W is a woven geotextile made of 100% high-tenacity polypropylene yarns. This product has high tensile strength and modulus and is used for reinforcement over soft soils. GEO 6.9-2700W resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GEO 6.9-2700W meets the following M.A.R.V. values except where noted:



| PROPERTY | TEST METHOD | ENGLISH | METRIC |
|---------------------------|-------------|---|-----------------|
| Weight - Typical | ASTM D-5261 | 6.9 oz/sy | 234 g/sm |
| Tensile Strength | ASTM D-4632 | 350 x 350 lbs | 1,557 x 1,557 N |
| Elongation @ Break | ASTM D-4632 | 20 x 15% | 20 x 15% |
| Wide Width Tensile | ASTM D-4595 | 3,179 x 2,711 lbs/ft (265 x 226 lbs/in) | 46 x 40 kN/m |
| Wide Width Elongation | ASTM D-4595 | 11.4 x 7.9% | 11.4 x 7.9% |
| CBR Puncture | ASTM D-6241 | 1,000 lbs | 4,448 N |
| Trapezoidal Tear | ASTM D-4533 | 120 x 120 lbs | 534 x 534 N |
| Apparent Opening Size | ASTM D-4751 | 40 US Sieve | 0.425 mm |
| Permittivity | ASTM D-4491 | 0.150 Sec-1 | 0.150 Sec-1 |
| Water Flow Rate | ASTM D-4491 | 11 g/min/sf | 448 l/min/sm |
| UV Resistance @ 500 Hours | ASTM D-4355 | 80% | 80% |

| ROLL SIZE | AREA | WEIGHT |
|------------|---------|---------|
| 15' x 300' | 500 sqy | 231 lbs |

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