



GEI WORKS

4.5 x 6.25 2159

Product Data Sheet

June 2015

A woven geotextile fabric, produced from polypropylene slit-film tapes, which will meet or exceed the following MARV's. This fabric is produced for use in Filtration and Dewatering application. Its sand color makes it more appealing than traditional black fabrics in many applications. The fabric is designed and engineered with 4 inch reinforced selvages to insure maximum fabricated seam strength.

| Property | Test Method | English Units | | | SI Units | | |
|---|-------------|---------------|-----|---------------------|----------|------|----------------------|
| | | MARV | | | MARV | | |
| | | MD | CD | | MD | CD | |
| Wide Width Tensile Ultimate | ASTM D-4595 | 450 | 622 | lbs/in | 79 | 109 | kN/m |
| Wide Width Elongation | ASTM D-4595 | 20 | 18 | % | 20 | 18 | % |
| Wide Width @ 2% - Typical | ASTM D-4595 | 25 | 135 | lbs/in | 4 | 24 | kN/m |
| Wide Width @ 5% - Typical | ASTM D-4595 | 120 | 320 | lbs/in | 21 | 56 | kN/m |
| Wide Width @ 10% - Typical | ASTM D-4595 | 320 | n/a | lbs/in | 56 | n/a | kN/m |
| Trapezoid Tear | ASTM D-4533 | 250 | 300 | lbs | 1113 | 1335 | N |
| CBR Puncture | ASTM D-6241 | 3000 | | lbs | 13 | | kN |
| Puncture | ASTM D-4833 | 225 | | lbs | 1001 | | N |
| Permittivity | ASTM D-4491 | 0.27 | | sec ¹ | 0.27 | | sec ⁻¹ |
| Water Flow Rate | ASTM D-4491 | 20 | | gpm/ft ² | 815 | | l/min/m ² |
| A.O.S. | ASTM D-4751 | 30 | | U.S. Sieve | 0.6 | | mm |
| UV Resistance (1400 hrs) - Typical | ASTM D-4355 | 85 | | % | 85 | | % |
| UV Resistance (1400 hrs) - MARV | ASTM D-4355 | 70 | | % | 70 | | % |
| Pore Size Distribution (O ₅₀) ** - Typical | ASTM D-6767 | 140 | | U.S. Sieve | 100 | | micron |
| Pore Size Distribution (O ₉₅) ** - Typical | ASTM D-6767 | 40 | | U.S. Sieve | 395 | | micron |

** Performed by a Third Party Laboratory



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