

StrataGRS

4800

Product Data

STRATAGRS™ 4800 is manufactured using high tenacity polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position.

STRATAGRS 4800 resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

| PROPERTY | TEST METHOD | MARV English | MARV Metric |
|---------------------------------|-------------|------------------------|-------------------------|
| Wide Width Tensile | ASTM D-4595 | 4800 x 4800 lbs/ft | 70 x 70 kN/m |
| Wide Width Tensile (2% Strain) | ASTM D-4595 | 960 x 1320 lbs/ft | 14 x 19.3 kN/m |
| Wide Width Tensile (5% Strain) | ASTM D-4595 | 2400 x 2700 lbs/ft | 35 x 39.4 kN/m |
| Wide Width Tensile (10% Strain) | ASTM D-4595 | 4800 x ----- lbs/ft | 70 x ----- kN/m |
| UV Resistance (500 hrs) | ASTM D-4355 | 80% | 80% |
| Apparent Opening Size (AOS)* | ASTM D-4751 | 30 US Std. Sieve | 0.60 mm |
| Permittivity | ASTM D-4491 | .40 sec ⁻¹ | .40 sec ⁻¹ |
| Permeability | ASTM D-4491 | .05 cm/sec | .05 cm/sec |
| Water Flow Rate | ASTM D-4491 | 30 gpm/ft ² | 1222 lpm/m ² |

*Maximum Average Roll Valve

- Notes:**
- Mullen Burst ASTM D-3786 has been removed. It is not recognized by ASTM D-35 on Geosynthetics.
 - Puncture ASTM D-4833 has been removed. It is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D-6241

| PROPERTY | Typical English | Typical Metric |
|-----------------|---------------------|--------------------|
| Roll Dimensions | 15 x 300 ft | 4.6 x 91.5 m |
| Roll Area | 500 yd ² | 418 m ² |



STRATA

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