



Mirafi[®] S800

Mirafi[®] S800 is a needle-punched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi[®] S800 is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

| Mechanical Properties | Test Method | Unit | Minimum Average Roll Value |
|--|-------------|---|----------------------------|
| Weight | ASTM D5261 | oz/yd ² (g/m ²) | 8.0 (271) |
| Thickness | ASTM D5199 | mils (mm) | 90 (2.3) |
| Grab Tensile Strength | ASTM D4632 | lbs (N) | 230 (1024) |
| Grab Tensile Elongation | ASTM D4632 | % | 50 |
| Trapezoid Tear Strength | ASTM D4533 | lbs (N) | 90 (401) |
| CBR Puncture Strength | ASTM D6241 | lbs (N) | 600 (2670) |
| Apparent Opening Size (AOS) ¹ | ASTM D4751 | U.S. Sieve (mm) | 100 (0.15) |
| Permittivity | ASTM D4491 | sec ⁻¹ | 1.36 |
| Permeability | ASTM D4491 | cm/sec | 0.31 |
| Flow Rate | ASTM D4491 | gal/min/ft ² (l/min/m ²) | 100 (4074) |
| UV Resistance (at 500 hours) | ASTM D4355 | % strength retained | 80 |

¹ ASTM D4751: AOS is a Maximum Opening diameter value

| Physical Properties | Unit | Typical Value |
|----------------------------------|-----------------------------------|---------------------|
| Roll Dimensions (width x length) | ft (m) | 15 x 300 (4.5 x 91) |
| Roll Area | yd ² (m ²) | 500 (418) |
| Estimated Roll Weight | lb (kg) | 305 (138) |

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