

Tech Data Sheet

| | Typical Mesh Covers | Merlin's SmartMesh™ | Improvement Percentage |
|--|------------------------|---|--|
| Properties | | | |
| Filtration - Average Microns ASTM F316-86 | 135 | 40 Sand Filters Typically Filter to 20-30 Microns! | 238% |
| % Shade ASTM D-6567 | 78% | 100% 100% Shade minimizes algae risk | 28% |
| Weight in oz/yd² ASTM D-3776 | 4.0 | 8.5 | 40% lighter than solid material |
| Gauge (mils) (Thickness) | 10.5 | 26 | 148% |
| Tensile Strength - Warp & Fill Average Grab Method ASTM D-5034 | 220* | 433* | 96% |
| Burst Strength ASTM D-3786 | 385* | 720* | 87% |
| Air Flow ASTM D-737 | 520 CFM | 20 CFM | 2500% Reduction |
| Tear Strength - Warp & Fill Average ASTM D-4533 | 83* | 170* | 105% |

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The above values are typical and should not be used as minimum or maximum values. Seller makes no warranty, express or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specifications state herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND, TO THE EXTENT THAT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses of applications of said product are believed reliable and seller makes no warranty of results to be obtained. The data sheet supersedes all previous data for this style and is subject to change without notice. The effective date for this product is 6/04/03.

*Denotes testing by outside vendor. GeoSyntec Consultants, 5775 Peachtree Dunwoody Rd, Suite 11D, Atlanta, GA 30342
Sample size for tests performed at GeoSyntec Consultants=20 All other testing performed at SI Corporations GAI-LAP accredited laboratory. Sample size for tests performed at SI Corporation Lab #35