

GT1000M Polyurea Coated

GT1000M is composed of high-tenacity polypropylene multifilament yarns, which are woven into a stable network such that the yarns retain their relative position, which is coated with 40 mils of spray applied polyurea. GT1000M is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

| Fabric Mechanical Properties | Test Method | Unit | Minimum Average Roll Value | |
|--|--|--|------------------------------|------------|
| | | | MD | CD |
| Wide Width Tensile Strength (at ultimate) | ASTM D4595 | kN/m (lbs/in) | 175 (1000) | 175 (1000) |
| Wide Width Tensile Elongation | ASTM D4595 | % | 20 (max.) | 20 (max.) |
| Factory Seam Strength | ASTM D4884 | kN/m (lbs/in) | 87.6 (500) | |
| Apparent Opening Size (AOS) | ASTM D4751 | mm (U.S. Sieve #) | 0.600 (30) | |
| Water Flow Rate | ASTM D4491 | l/min/m ² (gpm/ft ²) | 813 (20) | |
| Mass/Unit Area | ASTM D5261 | g/m ² (oz/yd ²) | 1117 (33) (Typical Value) | |
| UV Resistance (% strength retained after 500 hrs) | ASTM D4355 | % | 85 | |
| Coated Properties | Test Method | Unit | Typical Value | |
| Thickness | DFT (Dry Film Thickness) Micrometer | Mils | 40 | |
| Abrasion Resistance (5000 cycles) | ASTM D3884 | % of Mil Thickness Retention | 95 | |
| Tensile Strength | ASTM D638 | psi | 3,000 | |
| Tensile Elongation | ASTM D638 | % | 425 | |
| Composite Elongation (fabric and coating) | ASTM D4595 | 20% (min) | No cracking or delamination | |

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