



## GGG 3.5 Nonwoven

GGG 3.5 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. GGG 3.5 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GGG 3.5 meets or exceeds the physical property values listed below:

| Property         | Test Method | Unit         | M.A.R.V   |
|------------------|-------------|--------------|-----------|
| Weight (typical) | ASTM D 5261 | oz/sy        | 3.5       |
| Grab Tensile     | ASTM D 4632 | lbs          | 90        |
| Grab Elongation  | ASTM D 4632 | %            | 50        |
| Trapezoidal Tear | ASTM D 4533 | lbs          | 40        |
| CBR Puncture     | ASTM D 6241 | lbs          | 260       |
| Mullen Burst     | ASTM D 3786 | psi          | 185       |
| Permittivity     | ASTM D 4491 | 1/sec        | 2.2       |
| Water Flow       | ASTM D 4491 | gpm/sf       | 150       |
| AOS              | ASTM D 4751 | US Std Sieve | 50        |
| UV Resistance    | ASTM D 4355 | %/hours      | 70/500hrs |