



RM300 Nonwoven Geotextile

Product – Needlepunch 8oz Civil Geotextile

Fiber Type – High Tenacity Synthetic Staple Fiber

| Mechanical Properties | Test Method | Unit | Minimum Average Roll Value |
|-------------------------------|---------------|----------------------|----------------------------|
| Grab Tensile Strength | ASTM D4632 | N | 911 |
| Grab Tensile Elongation | ASTM D4632 | % | >50 |
| Trapezoid Tear Strength | ASTM D4533 | N | 356 |
| CBR Puncture Strength | ASTM D6241 | N | 2380 |
| Hydraulic Properties | | | |
| Apparent Opening Size (AOS) * | ASTM D 4751 | mm | 0.18 |
| Permittivity | ASTM D4491 | Sec-1 | 1.4 |
| Flow Rate | ASTM D 4491 | L/min/m ² | 4000 |
| Filtration Opening Size (FOS) | CAN148.1 No.1 | µm | 65-140 |
| UV Resistance (at 500 hours) | ASTM D4355 | % strength retained | 70 |

Disclaimer: All values are MARV except where specified (*). Randall Manufacturing Inc. assumes no liability in connection with the installation and/or the improper use of the geotextile described in this document.

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