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COMPARATIVE PRODUCT SPECIFICATION CHART

NON-WOVEN GEOTEXTILES FOR ENVIRONMENTAL APPLICATION



| Property | TEST METHOD | UNIT | M.A.R.V. (Minimum Average Roll Value) | | | | | | |
|--------------------------|-------------|----------------------|---------------------------------------|-------|-------|-------|-------|-------|-------|
| | | | GE140 | GE160 | GE180 | GE110 | GE112 | GE114 | GE116 |
| Weight | ASTM D 5261 | oz/yd ² | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| | | g/m ² | 135 | 203 | 271 | 339 | 407 | 475 | 542 |
| Thickness* | ASTM D 5199 | mils | 70 | 85 | 100 | 110 | 120 | 135 | 175 |
| | | mm | 1.77 | 2.16 | 2.5 | 2.79 | 3.05 | 3.43 | 4.45 |
| Grab Tensile | ASTM D 4632 | lbs | 105 | 160 | 225 | 270 | 330 | 390 | 425 |
| | | kN | 0.467 | 0.711 | 1 | 1.2 | 1.47 | 1.73 | 1.89 |
| Grab Elongation | ASTM D 4632 | % | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Trapezoid Tear Strength | ASTM D 4533 | lbs | 45 | 65 | 90 | 100 | 125 | 135 | 150 |
| | | kN | 0.2 | 0.29 | 0.4 | 0.44 | 0.556 | 0.6 | 0.667 |
| CBR Puncture Resistance | ASTM D 6241 | lbs | 306 | 450 | 600 | 725 | 900 | 1045 | 1200 |
| | | kN | 1.36 | 2 | 2.67 | 3.22 | 4 | 4.65 | 5.34 |
| Permittivity* | ASTM D 4491 | sec ⁻¹ | 2 | 1.63 | 1.26 | 0.94 | 0.9 | 0.64 | 0.57 |
| Permeability* | ASTM D 4491 | cm/sec | 0.55 | 0.48 | 0.3 | 0.3 | 0.3 | 0.25 | 0.25 |
| Water Flow* | ASTM D 4491 | gpm/ft ² | 160 | 125 | 100 | 75 | 70 | 50 | 45 |
| | | l/min/m ² | 6518 | 5080 | 4074 | 3055 | 2544 | 2037 | 1833 |
| AOS* | ASTM D 4751 | US Sieve | 70 | 70 | 80 | 100 | 100 | 100 | 100 |
| | | mm | 0.212 | 0.212 | 0.18 | 0.15 | 0.15 | 0.15 | 0.15 |
| UV Resistance at 500 hrs | ASTM D 4355 | % | 70 | 70 | 70 | 70 | 70 | 70 | 70 |

* At the time of manufacturing. Handling may change these properties.

PACKAGING DETAILS

| | | | | | | | |
|----------------|-----------|----------|----------|----------|----------|----------|----------|
| Roll Dimension | 15 x 1350 | 15 x 900 | 15 x 690 | 15 x 570 | 15 x 480 | 15 x 390 | 15 x 360 |
| Area Per Roll | 2250 | 1500 | 1150 | 950 | 800 | 650 | 600 |

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