

Crown Resources



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Geotextile Product Description Sheet

Style E040

E040 is a nonwoven geotextile produced by needlepunching 100% synthetic staple fibers in a random network to form a high strength dimensionally stable fabric. The polypropylene fibers are specially formulated to resist ultraviolet light deterioration, and are inert to commonly encountered soil chemicals. The fabric will not rot or mildew, is non-biodegradable, and is resistant to damage from insects and rodents. Polypropylene is stable within a pH range of 2 to 13. E040 conforms to the physical property values listed below:

| Fabric Property | Test Method | Units | Minimum Average Roll Value |
|-------------------------------------|-------------|---------------------|----------------------------------|
| Weight | ASTM D 5261 | oz/sq.yd. | 4.0 (135 g/m ²) |
| Thickness* | ASTM D 5199 | mils | 70 (1.77 mm) |
| Grab Tensile | ASTM D 4632 | lbs. | 105 (0.467 kN) |
| Grab Elongation | ASTM D 4632 | % | 50 |
| Trap Tear | ASTM D 4533 | lbs. | 45 (0.20 kN) |
| CBR Puncture | ASTM D 6241 | lbs | 305 (1.36 kN) |
| AOS | ASTM D 4751 | U.S. Sieve | 70 (.212 mm) |
| Water Flow* | ASTM D 4491 | gpm/sqft | 160 (6518 l/min/m ²) |
| Permeability* | ASTM D 4491 | cm/sec | .55 |
| Permittivity* | ASTM D 4491 | 1/sec | 2.0 |
| UV Resistance after 500 hrs. | ASTM D 4355 | % Strength Retained | 70 |

| Packaging | |
|-----------------------------------|-----------|
| Roll Dimensions-Feet | 15 x 1350 |
| Square Yards Per Roll | 2250 |
| Estimated Roll Weight-Lbs. | 620 |

* At time of manufacturing, handling may change these properties.

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