

DRAINMAX® 650



TWO-PART GEO-TEXTILE COMPOSITE DRAINAGE

DESCRIPTION

DrainMax® 650 prefabricated sheet drain is composed of a dimpled polymeric core with a woven monofilament geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. DrainMax® 650 is recommended for single-sided drainage applications requiring high strength, high flow capacity, and the filtration performance properties of a woven monofilament geotextile.

1. Unless otherwise noted, all physical and performance properties listed are Typical Values as defined in ASTM D4439.
2. PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; for use in planters.
3. AOS value listed is Maximum Average Roll Value.
4. In-plane flow rate measured under 3,600 psf (172 kPa) compressive load at hydraulic gradient of 1.0.
5. Pre-Consumer recycled content by weight.
6. Approximate packaged roll weight.

All technical information contained in this document is accurate as of revision date listed. Please contact your GMX Account Manager for the most current technical information available.

TECHNICAL DATA

| Physical Properties ¹ | Test Method | Typical Values |
|--|--------------|--------------------------|
| GEOTEXTILE | | |
| Material ² | | PP, WM |
| Water Flow Rate | ASTM D4491 | 145 gpm/ft ² |
| | | 5,909 Lpm/m ² |
| Grab Tensile Strength | ASTM D4632 | 365 lbs |
| | | 1,624 N |
| CBR Puncture | ASTM D6241 | 675 lbs |
| | | 3,004 N |
| Trapezoidal Tear | ASTM D4533 | 115 lbs |
| | | 512 N |
| Apparent Opening Size (AOS) ³ | ASTM D4751 | 40 sieve |
| | | 0.425 mm |
| Grab Elongation | ASTM D4632 | 24% |
| UV Resistance | ASTM D4355 | 70% / 500 Hrs |
| Permittivity | ASTM D4491 | 2.1 sec ⁻¹ |
| CORE | | |
| Thickness | ASTM D5199 | 0.40 in |
| | | 10 mm |
| Compressive Strength | ASTM D6364 / | 18,000 psf |
| | ASTM D1621 | 862 kPa |
| In-Plane Flow Rate ⁴ | ASTM D4716 | 21 gpm/ft |
| | | 261 Lpm/m |
| Perforated? | | No |
| Backing Film for Softer Membranes | | No |
| COMPOSITE | | |
| Recycled Content ⁵ | CALCULATED | > 70% |
| Roll Size | MEASURED | 4 x 50 ft |
| Roll Weight ⁶ | MEASURED | 48 lbs |



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Results may differ based upon statistical variations depending upon mixing methods and equipment, temperatures, application methods, test methods, actual site conditions and curing conditions. Installation conditions and methods can impact product performance. Consult your local GMX Sales Representative for Questions.

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