

DRAINMAX® 380



TWO-PART GEOTEXTILE COMPOSITE DRAINAGE

DESCRIPTION

DrainMax® 380 prefabricated sheet drain is composed of a dimpled polymeric core with a heavy-duty nonwoven 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® 380 is recommended for single-sided subsurface horizontal drainage applications requiring very high strength, moderate flow capacity, and a high-survivability 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, NPNW
Water Flow Rate	ASTM D4491	165 gpm/ft ²
		6,724 Lpm/m ²
Grab Tensile Strength	ASTM D4632	100 lbs
		445 N
CBR Puncture	ASTM D6241	275 lbs
		1,220 N
Trapezoidal Tear	ASTM D4533	50 lbs
		222 N
Apparent Opening Size (AOS) ³	ASTM D4751	70 sieve
		0.212 mm
Grab Elongation	ASTM D4632	60%
UV Resistance	ASTM D4355	70%/500 Hrs
Permittivity	ASTM D4491	2.4 sec ¹
CORE		
Thickness	ASTM D5199	0.25 in
		6.35 mm
Compressive Strength	ASTM D6364 /	11,000 psf
	ASTM D1621	527 kPa
In-Plane Flow Rate ⁴	ASTM D4716	12.5 gpm/ft
		155 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	28 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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