



**DRAINAGE PRODUCT DESCRIPTION SHEET
DRAINAGENET 400-2-8**

Drainagenet 400-2-8 is a superior quality drainage media made by extruding two sets of HDPE strands together to form a diamond shaped net. The net is then heat laminated to an 8 ounce non-woven fabric. This three dimensional structure provides excellent planar liquid flow. The Drainagenet 400-2-8 conforms to the physical property values listed below:

NET PROPERTY	TEST METHOD	UNITS	MINIMUM AVERAGE ROLL VALUE
Thickness	ASTM D-5199	mils	400 +/- 30
Density of Polymer	ASTM D-1505	g/cm ²	0.94
Carbon Black	ASTM D-4218	%	2-3
Tensile Strength	ASTM D-7179	lbs/in	100
Transmissivity (geocomposite)	ASTM D-4716	m ² /s	6.85 x10 ⁻³ *
Ply Adhesion	ASTM D-7005	lbs/in	1

*Transmissivity measured using water at 20 Degrees C with the gradient of 0.02, between steel plates and sand, after 60 minutes, under a confining pressure of 1,000 psf. Values may vary based on dimension of the transmissivity specimen and specific laboratory.

STYLE GE-180

GE-180 is a superior quality, nonwoven geotextile produced by needle punching together 100% polypropylene 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 mildew, is non-biodegradable, and is resistant to damage from insects and rodents. Polypropylene is stable within a ph range of 2 to 13. GE180 conforms to the physical property values below:

FABRIC PROPERTY	TEST METHOD	UNITS	MINIMUM AVERAGE ROLL VALUE
Weight	ASTM D-5261	oz	8.0
Grab Tensile	ASTM D-4632	lbs	225
Grab Elongation	ASTM D-4632	%	50
Trap Tear	ASTM D-4533	lbs	90
CBR Puncture	ASTM D-6241	lbs	600
Permittivity*	ASTM D-4491	sec ⁻¹	1.30
Water Flow Rate	ATMD D-4491	gpm/ft ²	100
AOS	ASTM D-4751	US Sieve (mm)	80 max (0.180)

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

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