

FABRINET® BP geonet is a bi-planar drainage net manufactured from high density polyethylene (HDPE) resin. The construction of the bi-planar net is formed specifically to transmit fluids uniformly under a variety of applications and field conditions.

PROPERTY⁽¹⁾	TEST METHOD	FREQUENCY	UNIT Metric	Value
GEOCOMPOSITE PROPERTY				
Transmissivity	ASTM D4716	50,000 m ²	m ² /sec kPa/min/-	1x10 ⁻⁴ 480/15/0.1 Steel plates
Load / Seat Time / Gradient Boundary Conditions				
Ply Adhesion Average (min. avg.)	ASTM D7005	4,600 m ²	g/cm	178
GEONET HDPE (2)				
Thickness (min. avg.)	ASTM D5199	4,600 m ²	mm	5.0
Transmissivity	ASTM D4716	Once per Shift	m ² /sec kPa/min/-	2x10 ⁻³ 480/15/0.1 Steel plates
Load / Seat Time / Gradient Boundary Conditions				
Density (min.)	ASTM D792	4,600 m ²	g/cm ³	0.94
Carbon Black Content	ASTM D4218	4,600 m ²	%	2.0
Tensile Strength (MD)	ASTM D7179	4,600 m ²	N/mm	7.9
GEOTEXTILE (2)				
Mass per Unit Area	ASTM D5261	8,365 m ²	g/m ²	203
Grab Tensile Strength	ASTM D4632	8,365 m ²	N	756
Grab Elongation	ASTM D4632	8,365 m ²	%	50
Puncture Resistance (CBR)	ASTM D6241	50,000 m ²	N	1936
Trapezoidal Tear Strength	ASTM D4533	8,365 m ²	N	311
Apparent Opening Size	ASTM D4751	50,000 m ²	mm	0.212
Permittivity	ASTM D4491	50,000 m ²	sec-1	1.5
Water Flow Rate	ASTM D4491	50,000 m ²	L/min/m ²	4480
UV Resistance-% retained after 500 hrs (typ.)	ASTM D4355	Per formulation	%	70

SUPPLY SPECIFICATIONS(Roll dimensions may vary ±1%)

Roll Dimension - Width	-	m	4.5
Roll Dimension - Length	-	m	81.7
Area (Surface/Roll)	-	m ²	367.65

2. Component properties prior to lamination.

* All geotextile properties are minimum average roll values except AOS which is maximum average roll value and UV resistance is typical value.
 * The information contained herein is provided for reference purposes only and is not intended as a warranty or guarantee. Final determination of suitability for use contemplated is the sole responsibility of the user. SOLMAX assumes no liability in connection with the use of this information.