

# GeofanNet B

## Technical Data Sheet

GeofanNet June 2019

Geonets are among the most proven geosynthetics drainage systems. Manufactured from two, or three strands of extruded hdpe which are overlaid across each other, this material forms a void within which water can be transmitted and reduces pore water pressure.

GeofanNet loses little drainage capacity when put under pressure or normal loading.

### Applications include:

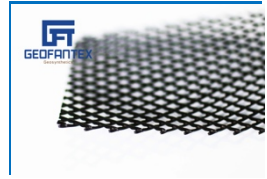
Behind retaining walls

Horizontal plaza drainage / green roof systems

Landfill capping systems

Landfill leachate drainage systems

We can supply G-Net with filter geotextiles bonded to one or both sides giving a effective drainage composite system.



## Physical Properties

Properties	Units	Standard	Specification
Thickness	mm	[ASTM D5199 @20kpa and 200kpa]	5.4/4.97
Mass/Unit Area	g/m <sup>2</sup>	[ASTM D5261]	660
Density/Specific Gravity	g/cm <sup>3</sup>	[ASTM D792, Method A]	0.942
Carbon Black Content	%	[ASTM D4218]	2
Strip Tensile Properties	Kn/m	[ASTM D5035]	7.57
Compressive Behavior	mm	[ASTM D6364]	6.13
Compressive Behavior	Kn/m <sup>2</sup>	[ASTM D1621]	3284

## Hydraulic Transmissivity

Properties	Units	Parameter	Specification
Flow Rate[ASTM D4716]	M <sup>2</sup> /s	I=1 δv=20kpa	2.25E-03
		I=1 δv=50kpa	2.13E-03
		I=1 δv=100kpa	2.05E-03
		I=1 δv=200kpa	1.64E-03
		I=1 δv=500kpa	5.12E-04

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