

GeofanNet Range

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 over-lay 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:

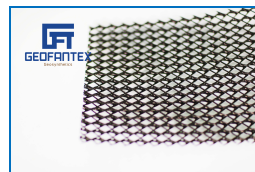
Behind retaining walls

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 cost 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 ²	[ASTM D5261]	660
Density/Specific Gravity	g/cm ³	[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 ²	[ASTM D1621]	3284

Hydraulic Transmissivity

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

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