

# G-Tex PF Range

## Technical Data Sheet

GEO-LINK PF Dec.19<sup>th</sup>, 2009

G-Tex PF Geotextiles are of 100% Polyester, continuous filament, Needle punched, non woven fabric with UV Resistance. It has been characterized by high strength, maximum width (6m) and UV resistant itself without inhibitor. It is resistant to commonly encountered soil chemicals, mildew and insects, and is non biodegradable. Below is the "GEO-LINK" fabric Technical parameter on an average basis.

### Mechanical Properties

Properties(Standard)		Unit	PF150	Test Method
Tensile Strength	Typical	KN/m	10.5	[ASTM D 4595]
	MARV		8.5	
Elongation at maximum load	Typical	%	70	
	MARV		50	
Grab Strength	Typical	N(>=)	600	[ASTM D 4632]
	MARV		550	
Grab Elongation	Typical	%	70	
	MARV		50	
Trapezoidal Tear	Typical	N(>=)	300	[ASTM D 4533]
	MARV		230	
Burst Strength -CBR plunger method	MARV	KN(>=)	2.5	[ASTM D 6241]
Puncture resistance	MARV	N(>=)	310	[ASTM D 4833]
Mullen Burst	MARV	Mpa	1.6	[ASTM D 3786]
Cone drop resistance (hole-Ø) Dynamic perforation diameter	Typical	mm	29	[BS EN 918]

### Hydraulic Properties

Flow Rate, Q100		L/s/m <sup>2</sup>	190	[ASTM D 4491]
Permeability		cm/s	0.44	
Apparent Opening Size O95		m≤	0.12	[ASTM D 4751]
Apparent Opening Size O90		mm≤	0.11	

### Physical Identification Properties

Mass per unit area		g/m <sup>2</sup>	150	[ASTM D 5261]
Thickness	2KP	Mm	1.2	[ASTM D 5199]
Length/roll		m(>=)	6	
Width		m(≥)	340	
Approx. Loading Q'ty per 40' HC		Sq.m	65,280	

Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. GEO-LINK keeps the right of data changes and the final explanation right. Liability Exclusion: This publication should not be construed as engineering advice. While information contained here is accurate to the best of our knowledge, GEO-LINK does not warrant its accuracy or completeness. The only warranty made by GEO-LINK for its products is set forth in our Product Test Report accompanies our shipment of the products, or such other written warranty as may be agreed by GEO-LINK and customer. GEO-LINK specifically disclaims all other warranties, express or implied, including without agreed by GEO-LINK and customer. GEO-LINK specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade.



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