

## Technical Data Sheet

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GFT GeofanTex GLP Apr 2016

GeofanTex GLP is 100% Polypropylene Staple Fiber Needle Punched non-woven Geotextile. The high quality PP raw material offers the most stable polymer against chemical / biological attack in groundwater with extreme pH conditions.

Manufactured from short fibres that are crimped, this range of geotextile offers excellent energy absorption characteristics as well as hydraulic performance. GeofanTex GLP is suitable in many applications, including the following:

- **Protection of geomembranes in landfill lining systems**
- **Coastal hydraulic works**
- **Drainage**
- **Filtration**

GeofanTex GLP is manufactured in widths of 6mts, thus reducing wastage by fewer overlaps and allows rapid, easy installation



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## Mechanical Properties

(T: Typical value M: Minimum Average Roll Value - MARV)

(Standard)	Unit	GLP 155
Tensile Strength	T KN/m	8
[ASTM D 4595]	M	6.0
Tensile Elongation	T %	60
[ASTM D 4595]	M	50
Grab Strength	T KN	.43
[ASTM D 4632]	M	.33
Grab Elongation	T %	60
[ASTM D 4632]	M	50
Trapezoidal Tear	T KN	0.21
[ASTM D 4533]	M	0.16
CBR Burst Strength	T	1.80
[ASTM D 6241]	M	1.50
Puncture resistance	T	0.24
[ASTM D 4833]	M	0.17
Cone drop(h <sub>50</sub> )	T mm	21
[BS EN 918]		

## Hydraulic Properties

Flow Rate, Q <sub>100</sub>	L/s/m <sup>2</sup>	200
[ASTM D 4491]		
Flow Rate, 50mm head	L/s*sqm	100
[EN ISO 11058]		
Apparent Opening Size O <sub>9</sub>	microns≤	100
[EN ISO 12956]	μ m≤	120
Permittivity[ASTM D 4491]	Sec <sup>-1</sup>	2.0

## Endurance

UV Resistance	%	70
Strength Retained @ 500hrs		

## Physical Identification Properties

Thickness (2KP)	T mm	2.8
[ASTMD5199]	M	1.6
Mass per Unit	T g/m <sup>2</sup>	155
[ASTM D5261]		
Roll Width	m(≤)	4
Roll Length	m(≥)	255
Approx Load Q'ty / 40' HC	Sqmt	61200
	s	

† Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. GFT 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, GFT does not warrant its accuracy or completeness. The only warranty made by GFT 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 GFT and customer. GFT specifically disclaims all other warranties, express or implied, including without agreed by GEO-LINK and customer. GFT 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.