

G-Tex GLS Range

Technical Data Sheet

GEO-LINK GLS 11th Dec. 2009

G-Tex GLS is 100% Polyester Staple Fiber Needle punched non woven Geotextile. It has been characterized by high strength, maximum width (6 m) and UV resistant itself without inhibitor. It is resistant to commonly encountered soil chemicals, mildew and insects, and is non biodegradable.



Mechanical Properties

(T: Typical value M: Minimum average roll value)

Properties (Standard)	Unit	GLS 100	GLS 125	GLS 150	GLS 200	GLS 250	GLS 300	GLS 350	GLS 400	GLS 450	GLS 500	GLS 550	GLS 600
Tensile Strength [ASTM D 4595]	M KN/m	2.5	3.5	4.5	6.5	8.0	9.5	11.0	12.5	14.0	16.0	17.5	19.0
Tensile Elongation [ASTM D 4595]	M %	50	50	50	50	50	50	50	50	50	50	50	50
Grab Strength [ASTM D 4632]	M N	225	280	361	641	720	792	911	1036	1182	1346	1480	1584
Grab Elongation [ASTM D 4632]	M %	50	50	50	50	50	50	50	50	50	50	50	50
Trapezoidal Tear [ASTM D 4533]	M N	80	100	120	160	200	240	280	330	380	420	440	460
CBR Burst Strength [ASTM D 6241]	M KN(>=)	0.3	0.4	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	2.9	3.2
Puncture resistance [ASTM D 4833]	M N(>=)	82	99	133	225	284	346	440	530	596	603	663	760
Drop cone resistance (hole-Ø)[BS EN 918]	T mm	45	40	37	34	31	26	23	19	18	16	15	15

Hydraulic Properties

Permeability[ASTM D 4491]	cm/s	0.41	0.41	0.41	0.41	0.4	0.4	0.39	0.39	0.39	0.39	0.39	0.39
Apparent Opening Size O ₉₅ [ASTM D 4751]	mm _≤	0.13	0.12	0.12	0.12	0.12	0.11	0.10	0.09	0.08	0.08	0.08	0.08

Physical Identification Properties

Thickness[ASTMD5199] (2KP)	mm	1.0	1.3	1.7	2.1	2.4	2.5	2.8	3.0	3.2	3.5	3.6	3.8
Roll Width	m(≤)	6	6	6	6	6	6	6	6	6	6	6	6
Roll Length	m(≥)	300	250	200	150	120	100	85	75	70	60	55	50
Approx Load Q'ty per 40' HQ	Sq. m	72000	57600	48000	36000	28800	24000	20400	18000	15600	14000	13200	12000

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 rising from provision of samples, a course of dealing or usage of trade.



GEO-LINK Geosynthetics CO., LTD

Room2209, B Yuanda Building, Zhongshan Dist., Dalian, China

TEL : 86-411-83897853 Fax: 86-411-83895824

Web: www.Geo-textile.com Email: info@Geo-textile.com

