

G-Tex GLP Range

Technical Data Sheet

GEO-LINK GLP Dec.11th, 2009

G-Tex GLP is 100% polypropylene Staple Fiber Needle punched non woven Geotextile. It has been characterized by high strength, maximum width (6 m) and UV resistant itself with inhibitor. It is resistant to commonly encountered soil chemicals, mildew and insects, and is non biodegradable.

Mechanical Properties

(T: Typical M: Minimum average roll value)

Properties (Standard)	Unit	GLP 100	GLP 125	GLP 150	GLP 200	GLP 250	GLP 300	GLP 350	GLP 400	GLP 450	GLP 500	GLP 550	GLP 600
Tensile Strength [ASTM D 4595]	M KN/m	3.5	5.0	6.0	8.5	11	13	15	18.5	21	23	26	28
Elongation at maximum load [ASTM D 4595]	M %	50	50	50	50	50	50	50	50	50	50	50	50
Grab Strength [ASTM D 4632]	M N	270	360	460	550	750	930	1040	1180	1350	1400	1560	1720
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	110	140	165	220	275	330	385	445	505	560	616	640
Burst Strength - CBR plunger method [ASTM D 6241]	M N	500	770	1120	1600	2150	2430	2920	3390	3700	4110	5300	5500
Puncture resistance [ASTM D 4833]	M N	141	201	261	382	454	565	726	817	931	970	1028	1130
Drop Cone resistance(hole-Ø) [BS EN 918]	T mm	39	36	33	30	27	24	20	16	15	15	14	13

Hydraulic Properties

Permeability [ASTM D 4491]	cm/s	0.41	0.41	0.41	0.41	0.41	0.41	0.41	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	0.09	0.08	0.08	0.08

Physical Identification Properties

Thickness [ASTM D 5199]	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	240	200	150	120	100	85	75	65	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 elusion: 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.



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