



G-Tex® GLP range products are of a type of nonwoven geotextile composed of polypropylene fibres which are formed into a stable network such that the fibres retain their relative position. G-Tex® GLP range product are inert to biological degradation and resists naturally encountered chemicals, acids and alkalis.

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

Properties (Standard)	Unit	GLP 140	GLP 150	GLP 180	GLP 200	GLP 250	GLP 300	GLP 340	GLP 350	GLP 400	GLP 500	GLP 600	GLP 750	GLP 900
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Mechanical Properties

Tensile Strength [ASTM D 4595]	T/w	KN/m	9.3	10.0	13.5	14.0	18.0	20.0	22.0	25.5	31.3	38.1	36.8	54.4	61.0
	M/w		6.8	7.1	10.0	10.5	13.0	16.0	17.0	23.8	25.2	31.2	30.3	47.4	52.5
Tensile Elongation [ASTM D 4595]	T	%	50	50	50	50	50	50	50	50	50	50	50	50	50
Grab Strength [ASTM D 4632]	T/w	N	495	520	685	700	900	990	1150	1321	1532	1912	2150	2650	2990
	M/w		380	330	540	580	660	750	940	1210	1420	1710	1890	2320	2400
Grab Elongation [ASTM D 4632]	T	%	50	50	50	50	50	50	50	50	50	50	50	50	50
Trapezoidal Tear [ASTM D 4533]	T/w	N	170	220	260	260	380	460	480	525	631	777	820	1140	1420
	M/w		140	190	210	220	290	390	410	448	470	650	690	790	1220
CBR Burst Strength [ASTM D 6241]	T/w	N	1,580	1,640	1,940	2,270	2,900	2,900	3,600	4,060	4,960	6,140	6,860	9,710	10,400
	M/w		1,220	1,160	1,680	1,650	2,400	2,436	3,240	3,677	4,597	4,950	6,174	6,900	8,400
Puncture Resistance [ASTM D 4833]	T/w	N	280	325	390	410	576	450	700	856	1,066	1,338	1,140	1,290	1,700
	M/w		230	272	341	350	471	390	520	770	917	1,210	1,026	1,110	1,300

Hydraulic Properties

Flow Rate @50mm head [ASTM D 4491]	T	l/min/m ²	N/A	4800	N/A	2790	2440	N/A	N/A	1700	2270	800	3100	N/A	N/A
Flow Rate @100mm head [ASTM D 4491]	T	l/sec/m ²	N/A	158	N/A	91	80	N/A	N/A	56	75	26	102	N/A	N/A
Permeability [ASTM D 4491]	T	cm/s	N/A	0.21	N/A	0.15	0.13	N/A	N/A	0.12	0.23	0.08	0.46	N/A	N/A
Permittivity [ASTM D 4491]	T	Sec ⁻¹	N/A	1.58	N/A	0.91	0.8	N/A	N/A	0.56	0.75	0.26	1.02	N/A	N/A
Apparent Opening Size O ₉₀ [ASTM D 4751]	T	mm	N/A	0.089	N/A	0.062	0.061	N/A	N/A	0.062	0.074	0.061	0.085	N/A	N/A
Apparent Opening Size O ₉₅ [ASTM D 4751]	T	mm	N/A	0.097	N/A	0.069	0.069	N/A	N/A	0.069	0.078	0.069	0.092	N/A	N/A

Endurance Properties

UV Resitance [ASTM D 4355]	T		Wide width tensile strength retained by not less than 70% after 500h exposure												
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Physical Identification Properties

Thickness (2KP) [ASTMD5199]	T	mm	1.10	1.21	N/A	1.49	1.58	1.7	N/A	2.12	2.2	2.85	4.52	N/A	N/A
	M		1.00	1.0	N/A	1.1	1.3	1.4	N/A	1.8	1.8	2.4	3.8	N/A	N/A
Mass per Unit [ASTM D5261]	T	g/m ²	140	150	180	200	250	300	340	350	400	500	600	750	900
Roll Width	T	m	4/6												
Roll Length	T	m	300	275	230	210	180	140	125	120	105	85	70	55	45
Approx Load Q' ty / 40' HQ	T	Rolls	60/40												
	T	Sq. m	72000	66000	55200	50400	43200	33600	30000	28800	25200	20400	16800	13200	10800

Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. It yields a 97.7% confidence in values of MARV and 50% confidence in values of typical that shipments quality complying with statistics published here. 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. (1/1/2014)