



The **Polytex** range consists of state of the art modern, woven polypropylene slit film geotextiles, designed to be used in filtration, separation and reinforcement. Polytex multi-purpose geotextiles have extremely high strength to mass ratios at low elongations, thus offering a cost effective geosynthetic solution to a variety of subsurface problems.

SPECIFICATIONS

Effective as at: 01.06.2016

Physical Properties:		Units	PT 110	PT 115	PT 315	PT 515	PT 615	PT 715	Test Method
Composition			UV Stabilised woven Polypropylene (PP) Tapes						
Mass	Nominal	g/m ²	110	120	166	205	270	310	SANS 10221-2007
Thickness	Under 2 kPa	mm	0.6	0.7	1.0	1.1	1.2	1.3	SANS 10221-2007
Through flow	50 mm head	l/s/m ²	33	29	23	37	40	34	SANS 11058-2013
	100mm head	l/s/m ²	40	35	58	70	51	40	SANS 10221-2007
Tensile Strength Ultimate	Warp	kN/m	15	34	32	49	52	55	SANS 10221-2007
	Weft	kN/m	12	13	31	33	43	54	
Elongation Ultimate	Warp	%	20	20	24	26	25	25	SANS 10221-2007
	Weft	%	17	16	14	14	14	12	
Tensile Strength @5% Strain	Warp	kN/m	8	9	9	12	10	10	SANS 10221-2007
	Weft	kN/m	6	8	15	21	30	32	
**Grab Tensile (Min)	Warp	N	470	635	1170	1270	1350	1630	ASTM D-4632
	Elongation @Rupture	%	16	20	26	26	22	12	
Trapezoidal Tear (Min)	Warp	N	425	627	653	797	820	972	ASTM D-4533
	Weft	N	160	177	411	436	627	1720	
Penetration Load (CBR)	Load @ Rupture	kN	1.8	2.8	3.9	4.9	5.5	6.5	ASTM D-6241
	Displacement	mm	21	25	31	30	31	33	
Puncture Resistance	Diameter of Hole	mm	20	11	10	8	7	6	EN 918
Pore Size	O ₉₀ %	micron	210	215	275	280	275	245	SANS 12956:2013
Roll Widths	Nominal	m	*1.3, *1.55, *1.8, *2.5, 3.1, 5.0						* Applicable to only PT110 and PT115
Roll Lengths	Nominal	m	200						

Notes:

**This test method was designed specifically for non-woven geotextiles.

The information contained in this publication is provided in good faith and to the best of our knowledge is true and accurate. Fibertex South Africa reserves the right to make technical modifications to their products without notice.



KZN: (T) +27 (0)31 736 7100
(E) salesza@fibertex.com

GAUTENG: (T) +27 (0)11 965 0205
(E) tenders@geotextilesafrica.co.za

W CAPE: (T) +27 (0)21 701 3569
(E) adminct@geotextilesafrica.co.za

www.fibertex.com / www.geotextilesafrica.co.za

** GEOTEXTILES • GEOGRIDS • SUBSOIL DRAINAGE PIPE & FITTINGS • GEOCELLS • COMPOSITE DRAINAGE SYTEMS • GABIONS & MATTRESSES
• CUSPATED SHEETS • GEOBAGS • GCLs • GEOMEMBRANE