

Fibertex geotextiles are used in building and construction works for separation, filtration, drainage, protection, stabilisation and reinforcement. Fibertex geotextiles are manufactured from virgin polypropylene fibres with added UV stabiliser. The basic strength of the Fibertex geotextiles is obtained by needle punching the polypropylene fibres, which provides strong elastic bonding. Fibertex is highly durable and resistant to all natural occurring soil alkalis and acids.

SPECIFICATIONS

Property	Test Standard	Units	F22	F25	F30	F32	F34	F46	F50	F55
Physical Properties										
Unit Weight (Mass)	EN ISO 9864	g/m ²	120	130	150	175	200	275	305	340
Thickness at 2 kPa	EN ISO 9863	mm	0.7	0.7	0.8	0.9	1.0	1.2	1.6	1.8
Mechanical Properties										
Static Puncture Strength (CBR Test)	EN ISO 12236	N	1500	1700	2000	2100	2600	3600	3900	4500
Tensile Strength (MD/CMD)	EN ISO 10319	kN/m	8.0/8.0	10.0/10.0	11.0/11.0	12.0/12.0	15.0/15.0	21.0/21.0	22.0/22.0	26.0/26.0
Elongation at Break		%	40 – 65	40 – 65	40 – 65	40 – 65	40 – 65	40 – 65	40 – 65	40 – 65
Dynamic Cone Drop	EN ISO 13433	mm	28	25	23	20	17	12	12	11
Hydraulic Properties										
Water Flow	EN ISO 11058	l/s/m ²	106	77	71	54	54	27	43	25
Permeability (Δh = 50cm)		m/s	0.10	0.07	0.07	0.05	0.05	0.03	0.04	0.02
Permittivity (Δh = 50cm)		sec ⁻¹	2.13	1.55	1.43	1.08	1.08	0.60	0.87	0.50
Pore Size, O _{90w}	EN ISO 12956	μm	70	70	70	70	70	70	70	70
UV Stability	ASTM D7238	%	70	70	70	70	70	70	70	70
Roll Dimensions										
Widths	-	m	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Length	-	m	150	150	150	150	150	100	100	100

Fibertex geotextiles are manufactured to ISO 9001:2008 quality management procedures.

The above values represent typical values based on current production test results.

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.

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SPECIFICATIONS

Property	Test Standard	Units	F400M	F500M	F550M	F750M	F1000M	F1200M
Physical Properties								
Unit Weight (Mass)	EN ISO 9864	g/m ²	400	500	550	750	1000	1200
Thickness at 2 kPa	EN ISO 9863	mm	3.4	3.6	4.1	5.5	6.5	7.0
Mechanical Properties								
Static Puncture Strength (CBR Test)	EN ISO 12236	N	4500	6500	7100	8800	12500	14000
Tensile Strength (MD/CMD)	EN ISO 10319	kN/m	25.0/28.0	30.0/38.0	40.0/40.0	51.0/54.0	70.0/70.0	75.0/90.0
Elongation at Break		%	> 50	> 50	> 50	> 50	> 50	> 50
Dynamic Cone Drop	EN ISO 13433	mm	8	4	3	≤ 1	0	0
Hydraulic Properties								
Water Flow	EN ISO 11058	l/s/m ²	42	38	25	23	16	15
Permeability (Δh = 50cm)		m/s	0.04	0.04	0.02	0.02	0.01	0.01
Permittivity (Δh = 50cm)		sec ⁻¹	0.85	0.76	0.50	0.47	0.32	0.29
Pore Size, O _{90W}	EN ISO 12956	μm	70	70	70	70	70	70
UV Stability	ASTM D7238	%	70	70	70	70	70	70
Roll Dimensions								
Widths	-	m	6.0	6.0	6.0	6.0	6.0	6.0
Length	-	m	100	50	50	50	50	50

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