

# Product Data Sheet

## Fibertex Geotextiles

Fibertex Geotextiles			F-20	F-25	F-32	F-34	F-46	F-50	F-55	F-300M	F-45M	F-1000M	F-1200M
<b>Mechanical Properties</b>													
Penetration load	SANS 10221-07	kN	1.1	1.6	2.0	2.5	3.7	3.9	4.5	3.9	5.2	11.5	14.0
Elongation	SANS 10221-07	%	50	50	50	50	50	50	50	60	60	65	75
Tensile strength long. dir.	SANS 10221-07	kN/m	7.0	10.0	13.0	18.0	20.0	23.0	25.0	20.0	26.0	55.0	40.0
Tensile strength trans. dir.	SANS 10221-07	kN/m	7.0	10.0	13.0	16.5	20.0	23.0	25.0	20.0	36.0	80.0	110.0
Elongation at break	SANS 10221-07	%	40/55	45/55	45/50	50/65	45/55	50/55	50/55	65/65	67/60	90/70	110/65
Dynamic Cone drop	EN ISO 13433	mm	35	32	28	22	13	14	10	16	9	2	0
<b>Hydraulic Properties</b>													
Throughflow at 100 mm WH	SANS 10221-07	l/sec/m <sup>2</sup>	145	145	85	70	70	70	70	105	95	50	40
Permeability at 100 mm WH	SANS 10221-07	10 <sup>-3</sup> m/sec	0.87	1.16	0.77	0.77	0.98	1.12	1.12	3.15	3.23	3.5	3.2
Water flow capacity at 20 kPa	EN ISO 12958	l/hour/m	1	2	3	3	4	4	4	15	15	50	70
Pore size, O <sub>95%</sub>	ASTM D-4751	micron	150	100	90	<90	<90	<90	<90	90	<90	<90	<90
<b>Physical Properties</b>													
Mass per unit area	SANS 10221-07	g/m <sup>2</sup>	100	130	175	200	275	310	340	300	500	1000	1200
Thickness at 2 kPa	SANS 10221-07	mm	0.6	0.8	0.9	1.1	1.4	1.6	1.6	3.0	3.4	7.0	8.0
Porosity at 2 kPa	Calc	%	0.81	0.82	0.78	0.80	0.78	0.77	0.76	0.89	0.84	0.84	0.83
<b>Standard Dimensions</b>													
Width		m	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
Length		m	100	100	100	100	100	100	100	100	100	50	50
Roll diameter		cm	26	30	32	34	39	42	44	60	59	69	72
Roll weight at maximum standard dimension		kg	57	73	98	124	150	166	182	161	265	265	317

Above technical values are mean values and are indicative. The right is reserved to make changes without notice at any time.

### Fibertex Geotextiles

Fibertex Geotextiles are used in building and construction works for separation, filtration, drainage, protection, stabilization and reinforcement.

Fibertex Geotextiles are made of virgin polypropylene fibres added HALS UV stabilizer according to EN 12224.

The basic strength of Fibertex Geotextiles is obtained by needle-punching the PP-fibres, which gives strong elastic bonding between the fibres.

Due to the unique production process all Fibertex Geotextiles are added a thermal treatment unless marked with:

**M:** Needlepunched only

### Quality Management

Fibertex A/S is certified according to the international quality management system DS/EN ISO 9001 as well as the environmental management system DS/EN ISO 14001.



### Specifications for Tender

The geotextile should be Fibertex type ....or comparable type.

The material should be needlepunched PP with a penetration load level of ....kN, acc. SANS 10221-07 and a tensile elongation of ....% acc. SANS 10221-07.

Water Throughflow should be .... l/sec/m<sup>2</sup> acc. SANS 10221-07 and Pore size d<sub>95%</sub> ....micron acc. ASTM D-4751. The geotextile supplier must be certified acc. to ISO 9001 and ISO 14001.



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