

# Product Data Sheet

## Fibertex Geotextiles

Fibertex Geotextiles			G-100	F-200	F-2B	F-300	F-32M	F-320	F-330	F-400	F-4M	F-410	F-500
<b>Physical Properties</b>													
Weight	EN ISO 9864	g/m <sup>2</sup>	100	125	140	180	190	200	250	275	320	320	370
Thickness at 2 kPa	EN ISO 9863-1	mm	0,6	0,7	0,8	1,3	2,5	1,5	1,7	1,8	3,2	2,0	2,2
<b>Mechanical Properties</b>													
Static puncture (CBR-test)	EN ISO 12236	N	940	1300	1500	2100	1750	2150	2750	3090	3150	3400	4000
Elongation	EN ISO 12236	%	55	50	50	50	60	50	50	50	60	50	50
Tensile strength long. dir.	EN ISO 10319	kN/m	4,0	6,5	8,0	12,0	10,0	13,0	16,0	18,0	17,5	20,0	25,0
Tensile strength trans. dir.	EN ISO 10319	kN/m	5,0	8,5	9,0	12,0	11,0	13,0	16,0	18,0	19,0	20,0	25,0
Elongation at break	EN ISO 10319	%	32/45	35/45	35/45	55/55	65/80	52/52	50/54	50/50	65/70	50/50	50/50
Dyn. Cone drop	EN 918	mm	40	25	28	24	20	22	20	18	16	17	15
<b>Hydraulic Properties</b>													
Permeability	EN ISO 11058	m/sec	0,08	0,07	0,07	0,09	0,085	0,09	0,07	0,08	0,06	0,05	0,04
Permittivity	EN ISO 11058	sec <sup>-1</sup>	1,6	1,5	1,5	1,9	2,4	1,8	1,4	1,4	1,2	1,0	0,8
Water flow	EN ISO 11058	l/sec/m <sup>2</sup>	85	75	75	95	120	90	70	70	60	50	40
K <sub>darcy</sub> at 2 kPa	drDIN 60500-4	10 <sup>-4</sup> m/sec	8,0	5,2	10,0	19,0	37,0	18,0	19,0	18,0	35,0	17,0	15,0
Water flow	drDIN 60500-4	l/sec/m <sup>2</sup>	140	84	120	145	160	130	110	95	105	85	75
Transmissivity	EN ISO 12958	10 <sup>-6</sup> m <sup>2</sup> /sec	0,5	0,3	0,6	1,8	2,9	1,8	2,3	3,0	5,6	4,0	2,5
Water flow capacity	EN ISO 12958	l/hour/m	2	1	2	6	12	8	9	11	22	14	10
Pore size, O <sub>90%</sub>	EN ISO 12956	micron	100	80	85	90	100	85	80	75	80	70	70
<b>Standard Dimensions</b>													
Width		m	4,2/5,0	4,2/5,0	4,2/5,0	4,2/5,0	4,2/5,0	4,2/5,0	4,2/5,0	4,2/5,0	4,2/5,0	4,2/5,0	4,2/5,0
Length		m	100	100	100	100	100	100	100	100	100	100	100
Roll diameter		cm	28	30	28	35	49	38	42	43	58	45	49
Roll weight at width 5.0 m		kg	55	70	75	95	100	105	130	150	165	168	195

Above technical values are mean values based on measurements in current production and test results from independent test institutes.

### 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 production control is certified CE-marking level 2+ for all geotextiles.



0799-CPD

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 CBR puncture resistance of ....N, acc. to EN ISO 12236 and a Wide-width tensile elongation of ....% acc. EN ISO 10319.

Water permeability should be .... l/sec/m<sup>2</sup> acc. to EN ISO 11058 and Pore size d<sub>90%</sub> ....micron acc. EN ISO 12956. The geotextile supplier must be certified acc. to ISO 9001 and ISO 14001, and the products must be CE-marked.



# Product Data Sheet

## Fibertex Geotextiles

Fibertex Geotextiles			F-400M	F-45M	F-600M	F-650M	F-800M	F-1000M	F-1200M
<b>Physical Properties</b>									
Weight	EN ISO 9864	g/m <sup>2</sup>	400	500	600	650	800	1000	1200
Thickness at 2 kPa	EN ISO 9863-1	mm	4,0	3,2	5,0	5,0	6,0	7,0	8,0
<b>Mechanical Properties</b>									
Static puncture (CBR-test)	EN ISO 12236	N	4300	5200	6000	6000	8000	10000	14000
Elongation	EN ISO 12236	%	60	60	60	65	65	65	75
Tensile strength long. dir.	EN ISO 10319	kN/m	23	26	30	32	30	34	40
Tensile strength trans. dir.	EN ISO 10319	kN/m	25	36	41	40	60	75	110
Elongation at break	EN ISO 10319	%	70/65	67/60	80/60	90/65	100/60	110/60	110/65
Dyn. Cone drop	EN 918	Mm	11	9	5	6	0	2	0
<b>Hydraulic Properties</b>									
Permeability	EN ISO 11058	m/sec	0,06	0,04	0,03	0,03	0,03	0,025	0,015
Permittivity	EN ISO 11058	sec <sup>-1</sup>	1,3	0,8	0,6	0,6	0,5	0,4	0,3
Water flow	EN ISO 11058	l/sec/m <sup>2</sup>	65	45	30	30	25	20	15
K <sub>darcy</sub> at 2 kPa	drDIN 60500-4	10 <sup>-4</sup> m/sec	35,0	15,0	30,0	30,0	30,0	20,0	20,0
Water flow	drDIN 60500-4	l/sec/m <sup>2</sup>	80	60	60	60	50	25	25
Transmissivity	EN ISO 12958	10 <sup>-6</sup> m <sup>2</sup> /sec	5,3	4,3	8,0	5,7	15	15	20
Water flow capacity	EN ISO 12958	l/hour/m	20	15	30	20	50	50	70
Pore size, O <sub>90%</sub>	EN/ISO 12956	Micron	80	70	70	70	80	70	60
<b>Standard Dimensions</b>									
Width		m	5,0	5,0	5,5	5,5	5,5	5,5	5,5
Length		m	100	100	100	100	50	50	50
Roll diameter		cm	62	60	75	76	65	70	79
Roll weight at width 5.0 m/5.5m		kg	210	255	310	370	240	265	320

Above technical values are mean values based on measurements in current production and test results from independent test institutes.

Fibertex Paving Fabric		AM-2	
Weight	ASTM D-5261 / EN ISO 9864	g/m <sup>2</sup>	150
Thickness at 2 kPa	ASTM D-5199 / EN ISO 9863-1	mm	1,0
Grab-test	ASTM D-4632	N	450
Elongation at break	ASTM D-4632	%	60
Tensile strength	ASTM D-4595 / EN ISO 10319	kN/m	8
Elongation at break	ASTM D-4595 / EN ISO 10319	%	50
Static puncture (CBR-test)	ASTM D-6241 / EN ISO 12236	N	1500
Dyn. Cone drop	EN 918	mm	25
Bitumen retention	ASTM D-6140	kg/m <sup>2</sup>	1,0
Dimensions	Width	m	3,75/5,0
	Length	m	100
	Roll diameter	cm	35

