

Product Data Sheet

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Fibertex Geotextiles With QC as per NorGeoSpec2012

Fibertex Geotextiles			F-20	F-27	F-34	F-47	F-60
<b>Application Profile</b>			1	2	3	4	5
<b>Physical Properties</b>							
Weight	EN ISO 9864	g/m <sup>2</sup>	100	130	190	255	340
Thickness at 2 kPa	EN ISO 9863-1	mm	0,5	0,7	0,8	1,2	1,4
<b>Mechanical Properties</b>							
Static puncture (CBR-test)	EN ISO 12236	N	1100	1800	2700	3700	5000
Tensile strength long. dir.	EN ISO 10319	kN/m	7	12,1	15,5	22	27
Tensile strength trans. dir.	EN ISO 10319	kN/m	7	11,5	18	25	33
Elongation at break long. dir.	EN ISO 10319	%	40	42	50	50	60
Elongation at break trans. dir.	EN ISO 10319	%	50	55	55	56	65
Dynamic Cone drop	EN ISO 13433	mm	35	30	22	17	10
<b>Hydraulic Properties</b>							
Permeability at 50 mm WH	EN ISO 11058	m/sec	0,09	0,07	0,04	0,03	0,01
Permittivity at 50 mm WH	EN ISO 11058	sec <sup>-1</sup>	1,8	1,4	0,8	0,6	0,2
Water flow at 50 mm WH	EN ISO 11058	l/sec/m <sup>2</sup>	90	70	40	30	10
Velocity index at 100 mm WH	EN ISO 11058	m/sec	0,14	0,12	0,07	0,05	0,03
Water flow at 100 mm WH	EN ISO 11058	l/sec/m <sup>2</sup>	140	120	70	50	30
Pore size, O <sub>90%</sub>	EN ISO 12956	micron	100	80	75	70	60
<b>Standard Dimensions</b>							
Width		m	0	0	0	0	0
Length		m	100	100	100	100	100
Roll diameter		cm	28	32	33	35	60
Roll weight at maximum standard dimension		kg	55	80	110	135	205
Carbon Footprint	EN 15804+A2	kg CO <sub>2</sub> eq/m <sup>2</sup>	0,00	0,00	0,00	0,00	0,00

Above technical values are mean values based on measurements in current production and test results from independent test institutes. All tolerances are within the 95% confidence limits for fulfilling the tolerances of the NorGeoSpec 2002 classification system.

**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.



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Fibertex Nonwovens A/S is certified according to the international quality management system EN ISO 9001 as well as the environmental management system 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 d90% ...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.

