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Product Data Sheet

Fibertex Geotextiles

Fibertex Geotextiles			F-10	F-20	F-22	F-25	F-30	F-31	F-35	F-40
Physical Properties										
Weight	EN ISO 9864	g/m²	80	100	120	130	150	165	225	250
Thickness at 2 kPa	EN ISO 9863-1	mm	0,6	0,6	0,7	0,8	0,8	0,8	1,1	1,4
Mechanical Properties										
Static puncture (CBR-test)	EN ISO 12236	N	800	1100	1500	1600	1500	1800	2600	3100
Elongation	EN ISO 12236	%	50	50	50	50	50	50	50	50
Tensile strength long. dir.	EN ISO 10319	kN/m	4,5	7,0	8,0	10,0	11,0	12,0	17,3	18,0
Tensile strength trans. dir.	EN ISO 10319	kN/m	4,5	7,0	8,0	10,0	11,0	12,0	17,3	18,0
Elongation at break	EN ISO 10319	%	40/58	40/55	40/55	45/50	40/50	40/50	43/55	50/65
Dynamic Cone drop	EN 918	mm	> 50	35	35	32	30	28	22	20
Hydraulic Properties										
Permeability	EN ISO 11058	m/sec	0,10	0,07	0,07	0,07	0,05	0,05	0,03	0,04
Permittivity	EN ISO 11058	sec^{-1}	2,0	1,4	1,4	1,4	1,0	1,0	0,6	0,8
Water flow	EN ISO 11058	l/sec/m²	100	70	70	70	50	50	30	40
Velocity index at 100 mm WH	EN ISO 11058	m/sec	0,16	0,12	0,12	0,12	0,08	0,08	0,06	0,07
Water flow at 100 mm WH	EN ISO 11058	l/sec/m²	160	120	120	120	80	80	60	70
Transmissivity	EN ISO 12958	10^{-6} m²/sec	0,1	0,3	0,6	0,6	0,8	0,8	0,7	1
Water flow capacity at 20 kPa	EN ISO 12958	l/hour/m	0,5	1	2	2	3	3	3	4
Pore size, $O_{90\%}$	EN ISO 12956	micron	100	95	100	70	85	85	70	70
Standard Dimensions										
Width		m	2 / 4 / 6	2 / 4 / 6	2 / 4 / 6	2 / 4 / 6	2 / 4 / 6	2 / 4 / 6	2 / 4 / 6	2 / 4 / 6
Length		m	100	100	100	100	100	100	100	100
Roll diameter		cm	27	28	29	30	31	32	35	37
Roll weight at width 6.0 m		kg	55	65	80	85	95	105	140	155

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 give strong elastic bonding between the fibres.
Due to the unique production process all Fibertex Geotextiles are added a thermal treatment.

Quality Management

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

CE

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.

DS CERTIFIED — Quality System and Environmental Management System DS/EN ISO 9001 DS/EN ISO 14001

Specifications for Tender

The geotextile should be Fibertex type ....or comparable type.
The material should be needle punched PP with a CBR puncture resistance of ....N, acc. to EN ISO 12236 and a Wide-width tensile elongation of .....% acc. to EN ISO 10319.
Water permeability should be .... l/sec/m² acc. to EN ISO 11058 and Pore size $d_{90\%}$ ....micron acc. to EN ISO 12956. The geotextile supplier must be certified acc. to ISO 9001 and ISO 14001, and the products must be CE-marked.

Fibertex NONWOVENS

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