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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
Mechanical Properties													
Static puncture (CBR-test)	EN ISO 12236	N	1100	1600	2000	2500	3700	3900	4500	3890	5200	11500	14000
Elongation	EN ISO 12236	%	50	50	50	50	50	50	50	60	60	65	75
Tensile strength long. dir.	EN ISO 10319	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.	EN ISO 10319	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	EN ISO 10319	%	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
Hydraulic Properties													
Permeability at 50 mm WH	EN ISO 11058	m/sec	0,07	0,07	0,04	0,03	0,03	0,03	0,03	0,05	0,04	0,02	0,015
Permittivity at 50 mm WH	EN ISO 11058	sec^{-1}	1,4	1,4	0,8	0,6	0,6	0,6	0,6	1,0	0,8	0,4	0,3
Water flow at 50 mm WH	EN ISO 12958	l/sec/m²	70	70	40	30	30	30	30	50	45	20	15
Velocity index at 100 mm WH	EN ISO 11058	m/sec	0,12	0,12	0,07	0,06	0,05	0,05	0,05	0,07	0,06	0,03	0,02
Water flow at 100 mm WH	EN ISO 11058	l/sec/m²	120	120	70	60	50	50	50	70	60	35	25
Transmissivity	EN ISO 12958	10^{-6} m²/sec	0,3	0,6	0,8	0,7	1,0	1,0	1,0	4,0	4,3	15	20
Water flow capacity	EN ISO 12958	l/hour/m	1	2	3	3	4	4	4	15	15	50	70
Pore size, $O_{90\%}$	EN ISO 12956	micron	95	70	85	70	65	65	65	70	70	70	60
Physical Properties													
Weight	EN ISO 9864 EN	g/m²	100	130	175	200	275	310	340	300	500	1000	1200
Thickness at 2 kPa	ISO 9863-1	mm	0.6	0.8	0.9	1.1	1.4	1.6	1.6	3.0	3.4	7.0	8.0
Standard Dimensions													
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.

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 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/m² acc. to EN ISO 11058 and Pore size $d_{90\%}$ ....micron acc. EN ISO 12956. The geotextile supplier must be certified acc. to ISO 9001 and ISO 14001.

Fibertex NONWOVENS

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