



Verdatex SG 18/9 - 30/30

Standard Woven Geotextile Specification

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Mechanical Properties	Test	Units	SG 18/9	SG 18/18 DSF	SG 18/18 B	SG 20/20	SG 20/20 F	SG 25/25 F	SG 29/29	SG 30/30
Tensile strength - MD	EN ISO 10319	kN/m	16	17	17.25	20	20	25	29	30
Tensile strength - CMD	EN ISO 10319	kN/m	16	17	17.25	20	20	25	29	30
Elongation at break - MD	EN ISO 10319	%	22.3	18	26	20	28	30	26	16
Elongation at break - CMD	EN ISO 10319	%	13	12	26	11	28	30	26	8
Static puncture resistance (CBR)	EN ISO 12236	kN	1.8	1.7	2	1.9	2.4	3	4.07	3
Dynamic perforation resistance (cone drop)	EN ISO 13433	mm	24	24	16	17	16	14	10.8	19

Hydraulic Properties

Water permeability normal to the plane	EN ISO 11058	l/m ² s	30	25	23	13	10	10	23	35
Characteristic opening size (O90)	EN ISO 12956	µm	300	250	305	200	250	250	350	540

Physical Properties

Thickness under 2 kPa	EN ISO 9863-1	mm	0.2	0.25	0.45	0.32	0.5	0.55	1	1
Weight	EN ISO 9864	g/m ²	65.2	70	90	84	108	136	178	121
Roll width		m	4.5	5.25	5.25	5.25	5.25	5.25	5.25	5.25
Roll length		m	100	100	100	100	100	100	100	100
Truck load volume (+/- 10%)		m ²	182250	124950	124950	124950	124950	124950	66150	74550
Roll diameter (+/- 10%)		cm	24	24	24	32	32	32	40	38

Durability

			Description	
Natural UV light	ASTM D 4363	100%	Polymer	100% Polypropylene
Chemical resistance	EN 14030	100%	Density	0.91 kg/dm ³
Microbiological resistance	EN 12447	100%	Melting point	165 °C
Hydrolysis	EN 12447	100%	Construction	Tapes
Oxidation resistance	Standard			

The information set forth in this data sheet reflects the best knowledge at the time of publication. The document is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described. No liability is undertaken for results obtained by usage of the products and information.



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Verdatex SG 36/40 - 60PL/60P

Standard Woven Geotextile Specification

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Mechanical Properties

	Test	Units	SG 36/40	SG 40/40 F	SG 40 PL/40 PS	SG 40/40 S	SG 60/52	SG 60/60	SG 60/60 B	SG 60 PL/60 P
Tensile strength - MD	EN ISO 10319	kN/m	40	40.5	40	40	60	64.5	64.5	64.5
Tensile strength - CMD	EN ISO 10319	kN/m	40	40.5	40	40	52	60	60	60
Elongation at break - MD	EN ISO 10319	%	19	18	18	18	16	14	18	16
Elongation at break - CMD	EN ISO 10319	%	8.6	18	8	7	8	8	13	8
Static puncture resistance (CBR)	EN ISO 12236	kN	4.4	5	4.5	4.5	6.2	6.5	6.5	6.5
Dynamic perforation resistance (cone drop)	EN ISO 13433	mm	12	10	11	11	14	11	8	8

Hydraulic Properties

Water permeability normal to the plane	EN ISO 11058	l/m ² s	25	18	16	16	58	25	30	30
Characteristic opening size (O90)	EN ISO 12956	µm	300	230	180	180	500	275	275	275

Physical Properties

Thickness under 2 kPa	EN ISO 9863-1	mm	0.9	0.85	0.7	0.7	1.4	1.2	1.1	1.1
Weight	EN ISO 9864	g/m ²	160.6	201.2	174	164	236	280	250	273
Roll width		m	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25
Roll length		m	100	100	100	100	100	100	100	100
Truck load volume (+/- 10%)		m ²	66150	45150	45150	52500	40950	40950	40950	40950
Roll diameter (+/- 10%)		cm	35	35	24	24	32	40	40	40

Durability

			Description	
Natural UV light	ASTM D 4372	100%	Polymer	100% Polypropylene
Chemical resistance	EN 14030	100%	Density	0.91 kg/dm ³
Microbiological resistance	EN 12447	100%	Melting point	165 °C
Hydrolysis	EN 12447	100%	Construction	Tapes
Oxidation resistance	Standard			

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Verdatex SG 70PL/70P - 240/50

Standard Woven Geotextile Specification

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Mechanical Properties

Test	Units	SG 70 PL/70 P	SG 80/65	SG 80/80	SG 80 PL/80 P	SG 105/105	SG 110/110	SG 240/50	
Tensile strength - MD	EN ISO 10319	kN/m	70	80	82	86	105	110	240.4
Tensile strength - CMD	EN ISO 10319	kN/m	70	60	86	86	105	110	54.3
Elongation at break - MD	EN ISO 10319	%	16	15	14	14	10	10	13
Elongation at break - CMD	EN ISO 10319	%	9	12	8	8	10	8	11
Static puncture resistance (CBR)	EN ISO 12236	kN	7.5	8.3	9.5	9.5	10	12.5	9.18
Dynamic perforation resistance (cone drop)	EN ISO 13433	mm	9	13	9	9	10	10	10

Hydraulic Properties

Water permeability normal to the plane	EN ISO 11058	l/m ² s	24	16	18	18	20	25	20
Characteristic opening size (O90)	EN ISO 12956	µm	300	214	300	280	240	230	450

Physical Properties

Thickness under 2 kPa	EN ISO 9863-1	mm	1.25	1.3	1.35	1.35	1.53	1.53	2.15
Weight	EN ISO 9864	g/m ²	303	300	347	349	459	464	604
Roll width		m	5.25	5.25	5.25	5.25	5.25	5.25	5.25
Roll length		m	100	100	100	100	60	100	100
Truck load volume (+/- 10%)		m ²	32550	37800	32550	32550		30450	29870
Roll diameter (+/- 10%)		cm	42	41	42	42		45	45

Durability

			Description	
Natural UV light	ASTM D 4372	100%	Polymer	100% Polypropylene
Chemical resistance	EN 14030	100%	Density	0.91 kg/dm ³
Microbiological resistance	EN 12447	100%	Melting point	165 °C
Hydrolysis	EN 12447	100%	Construction	Tapes
Oxidation resistance	Standard			

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