

# FASTRACK SG RANGE

Standard Grade Lightweight Woven Geotextiles

Technical Data Sheet 1/2

Mechanical Properties	Test	Units	18/9	18/18-DS	18/18	20/20	27/27	30/30	36/40	40/40s	40/40
Tensile Strength - MD	EN ISO 10319	kN/m	18	18	18	20	27	30	40	40	41
Tensile Strength - XD	EN ISO 10319	kN/m	16	18	18	20	27	30	40	40	41
Elongation at break - MD	EN ISO 10319	%	22	22	26	22	30	17	20	20	20
Elongation at break - XD	EN ISO 10319	%	13	13	26	14	27	10	10	11	22
CBR Puncture Resistance	EN ISO 12236	N	1 800	1 900	2 500	2 350	3 800	3 110	4 100	4 800	4 800
Dynamic Cone Drop	EN 918	mm	21	26	22	20	22	19	15	11	10

Hydraulic Properties	Test	Units	18/9	18/18-DS	18/18	20/20	27/27	30/30	36/40	40/40s	40/40
Characteristic Opening Size	EN ISO 12956	µm	260	210	305	250	600	540	350	180	305
Hydraulic Velocity	EN ISO 11058	m/s	25 x 10 <sup>-3</sup>	17 x 10 <sup>-3</sup>	23 x 10 <sup>-3</sup>	23 x 10 <sup>-3</sup>	32 x 10 <sup>-3</sup>	29 x 10 <sup>-3</sup>	23 x 10 <sup>-3</sup>	16 x 10 <sup>-3</sup>	18 x 10 <sup>-3</sup>
Permeability	EN ISO 11058	l/m <sup>2</sup> .s	25	17	23	23	32	29	23	16	18

Physical Properties	Test	Units	18/9	18/18-DS	18/18	20/20	27/27	30/30	36/40	40/40s	40/40
Thickness under 2 kPa	EN 964/1	mm	0.35	0.35	0.35	0.35	1.10	0.75	0.8	0.70	0.85
Weight	EN 965	g/m <sup>2</sup>	75	73	87	87	155	124	165	166	224
Roll width		cm	450	525	525	525	525	525	525	525	525
Roll length		m	200	200	200	200	200	200	200	100	100
Full load volume (+/- 10%)		m <sup>2</sup>	182 250	124 950	124 950	124 950	66 150	74 550	66 150	52 500	45 150
Roll diameter (+/- 10%)		cm	24	24	24	32	40	38	43	35	35

\*Above SG 40/40-S product also exists with loops and anti-oxidant

#### Notes relating to the use of Bontec geotextile products

1. Wrekin reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves that the above data is current.
3. The above figures are average values obtained from testing to current EN geotextile test standards. Although not guaranteed, these results do to the best of our knowledge, offer a true and accurate record of the products performance.
4. Polypropylene is the constituent polymer used in the production of the SG geotextile range.
5. Wrekin cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request

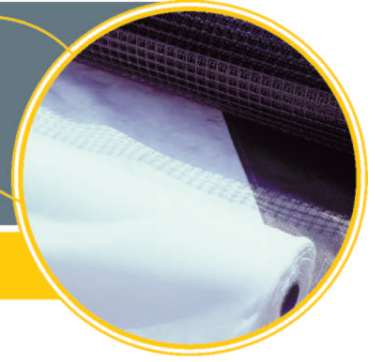
**Other grades of geotextile within the Wrekin range include:**

- **Highflow & Highstrength Woven fabrics and Thermally Bonded and Needleponched Nonwovens**

Version 05 dd. 10/03/2008



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# FASTRACK SG RANGE

Standard Grade Heavyweight Woven Geotextiles

Technical Data Sheet 2/2

Mechanical Properties	Test	Units	60/52	60PL/52P*	60/60	60P/60PL*	80/80	80P/80PL*	100/100	200/50-L
Tensile Strength - MD	EN ISO 10319	kN/m	60	60	65	65	82	82	110	240
Tensile Strength - XD	EN ISO 10319	kN/m	58	58	60	60	86	86	110	54
Elongation at break - MD	EN ISO 10319	%	20	20	21	21	20	20	20	13
Elongation at break - XD	EN ISO 10319	%	11	11	10	10	11	11	11	10
CBR Puncture Resistance	EN ISO 12236	N	6 800	6 800	7 200	7 200	9 500	9 500	12 500	9 200
Dynamic Cone Drop	EN 918	mm	14	14	7.5	7.5	10	10	10	12.7

Hydraulic Properties	Test	Units	60/52	60PL/52P*	60/60*	60P/60PL*	80/80	80P/80PL*	100/100	200/50-L
Characteristic Opening Size	EN ISO 12956	µm	500	500	275	275	300	300	190	400
Hydraulic Velocity	EN ISO 11058	m/s	$58 \times 10^{-3}$	$58 \times 10^{-3}$	$16 \times 10^{-3}$	$16 \times 10^{-3}$	$18 \times 10^{-3}$	$18 \times 10^{-3}$	$13 \times 10^{-3}$	$18 \times 10^{-3}$
Permeability	EN ISO 11058	l/m <sup>2</sup> .s	58	58	16	16	18	18	13	18

Physical Properties	Test	Units	60/52	60PL/52P*	60/60*	60P/60PL*	80/80	80P/80PL*	100/100	200/50-L
Thickness under 2 kPa	EN 964/1	mm	1.30	1.30	1.00	1.00	1.35	1.35	1.53	2.15
Weight	EN 965	g/m <sup>2</sup>	236	247	275	286	340	351	475	615
Roll width		cm	525	525	525	525	525	525	525	525
Roll length		m	100	100	100	100	100**	100**	100**	100**
Full load volume (+/- 10%)		m <sup>2</sup>	40 950	40 950	40 950	40 950	32 550	32 550	30 450	29 870
Roll diameter (+/- 10%)		cm	40	40	40	40	42	42	45	45

\* with loops and anti-oxidant

\*\* roll length +/- 20 % due to nature of production process.

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Version 03 dd. 10/03/2008



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