



SG

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	60,0	60,0	64,5	64,5	82,0	82,0	110,0	240,4
Tensile Strength - XD	EN ISO 10319	kN/m	58,0	58,0	60,0	60,0	86,0	86,0	110,0	54,3
Elongation at break - MD	EN ISO 10319	%	20,0	20,0	20,7	21,0	20,0	20,0	20,0	13,3
Elongation at break - XD	EN ISO 10319	%	10,5	10,5	10,0	10,0	10,5	10,5	11,0	9,9
CBR Puncture Resistance	EN ISO 12236	N	6 800	6 800	7 200	7 200	9 500	9 500	12 500	9 180
Dynamic Cone Drop	EN ISO 13433	mm	14,0	14,0	7,5	7,5	10,0	10,0	10,0	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	500,0	500,0	275,0	275,0	300,0	300,0	190,0	400,0
Hydraulic Velocity	EN ISO 11058	m/s	58×10^{-3}	58×10^{-3}	16×10^{-3}	16×10^{-3}	18×10^{-3}	18×10^{-3}	13×10^{-3}	18×10^{-3}
Permeability	EN ISO 11058	l/m ² .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 ISO 9863-1	mm	1,30	1,30	1,00	1,00	1,35	1,35	1,53	2,15
Weight	EN ISO 9864	g/m ²	236,0	247,0	250,0	261,0	334,0	345,0	464,0	617,0
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 ²	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.

Notes relating to the use of Bontec geotextile products

- Bonar Technical Fabrics reserves the right to alter product specifications without prior notice.
- It is the responsibility of all users to satisfy themselves that the above data is current.
- 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.
- Polypropylene is the constituent polymer used in the production of the SG geotextile range.
- Bonar Technical Fabrics cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
- Installation details are available on request



Other grades of geotextile within the Bontec range include:

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

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BONAR TECHNICAL FABRICS

invisibly good

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