

DURAFORCE® GEOTEXTILES

WOVEN GEOTEXTILES

DuraForce® WG technical fabrics are polypropylene, UV stabilised, high strength, black woven geotextile, used for many civil engineering and building applications. WG geotextiles conform to the property values listed below. All technical data is based on statistical analysis from internal and external laboratory results. All results published are typical values.

TECHNICAL FABRICS WG Series

TECHNICAL DATA SHEET	G 031 002
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PROPERTY	METHOD	UNIT	WG14/14	WG16/16	WG21/21	WG30/30	WG60/60	WG80/80	WG 100/100	WG150/150
MECHANICAL										
Tensile Strength (MD/CD)	EN 10319	kN/m	14/14	16/15	21/19	30/30	60/60	80/80	105/105	150/150
Elongation (MD/CD)	EN 10319	%	14/10	20/15	22/9	16/14	15/10	25/15	15/11	15/10
Resistance to Static Puncture	EN ISO 12236	N	1800	2300	2000	3300	7000	9000	12000	18000
Dynamic Perforation Resistance	EN 13433	mm	21	16	22	14	12	5	3	4
HYDRAULIC										
Characteristic Opening Size (O ₉₀)	EN ISO 12956	µm	300	275	200	230	225	110	175	-
Water Flow Rate (dh = 50mm)	EN ISO 11058	l/m ² sec	5	13	6	7	15	10	9	10
ENDURANCE										
UV Resistance	EN 12224	% retained @ 500hr	90	90	90	90	90	90	90	90

NOTES:

1. All the above figures are average values obtained from testing to current EN standard at external institutes.
2. Cirtex Industries Ltd reserves the right to alter product specifications at any time without prior notice. It is the responsibility of all users to satisfy themselves that the above data is current.
3. Polypropylene is the constituent polymer used in the production of the WG geotextiles series.
4. To be covered within one month after installation. All above geotextiles are predicted to be durable for more than 50 years in soil temperature >25° C and are resistant to highly acid and alkaline environments on the basis of a durability assessment.

DISCLAIMER: All information provided in this publication is correct to the best knowledge of the company and is given out in good faith. The information presented herein is intended only as a general guide to the use of such products and no liability is accepted by Cirtex Industries Ltd for any loss or damage however arising, which results either directly or indirectly from the use of such information. Cirtex Industries Ltd have a policy of continuous development so information and product specifications may change without notice.

ISO 9001

BUREAU VERITAS
Certification



This product has been manufactured under the controls established by a Bureau Veritas certification approved management system that conforms with ISO 9001:2015. Bureau Veritas Certification certificate number NZ001832-2

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