

Fibertex geotextiles are used in building and construction works for separation, filtration, drainage, protection, stabilisation and reinforcement. Fibertex geotextiles are manufactured from virgin polypropylene fibres with added UV stabiliser. The basic strength of the Fibertex geotextiles is obtained by needle punching the polypropylene fibres, which provides strong elastic bonding. Fibertex is highly durable and resistant to all natural occurring soil alkalis and acids.

Reference: **GRI GT 12 (b) – ISO Version – Standard Specification for “Test Methods and Properties for Nonwoven Geotextiles Used as Protection (or cushioning) Materials” as published by the Geosynthetic Research Institute, (Revision 2, November 15, 2016)**

SPECIFICATIONS

| | | <u>CLASS</u> 350 | <u>CLASS</u> 400 | <u>CLASS</u> 600 | <u>CLASS</u> 800 | <u>CLASS</u> 1000 | <u>CLASS</u> 1500⁽³⁾ | <u>CLASS</u> 2000 | |
|--|------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|---|-----------------------------|----------------|
| Properties ⁽¹⁾ | | | | | | | | | |
| Mass per unit area | g/m ² | 350 | 400 | 600 | 800 | 1000 | 1500 | 2000 | EN ISO 09864 |
| Tensile Properties: Strength | kN/m | 16 | 21 | 27 | 32 | 36 | 40 | 45 | EN ISO 10319 |
| Tensile Properties: Elong. at Max. Load | % | 50 | 50 | 50 | 50 | 50 | 50 | 50 | EN ISO 10319 |
| Trouser Tear Strength | kN | 0.42 | 0.51 | 0.66 | 0.89 | 0.96 | 1.14 | 1.32 | EN ISO 13937-2 |
| CBR Puncture: Max. Force | kN | 3.1 | 3.6 | 4.1 | 4.9 | 7.6 | 9.3 | 11.0 | EN ISO 12236 |
| CBR Puncture: Elong. at Max. Force | % | 38 | 38 | 38 | 38 | 38 | 38 | 38 | EN ISO 12236 |
| UV Str. Ret. after 500 lt. hrs. exposure ⁽²⁾ | % | 70 | 70 | 70 | 70 | 70 | 70 | 70 | ASTM D7238 |
| Roll Dimensions | | | | | | | | | |
| Widths (Max.) | m | 5.2 / 6.0 | | | | | | | |
| Length (Max.) | m | 100 | 50 | 50 | 50 | 50 | 50 | 50 | |

Notes:

- All values are minimum average roll values (MARV) except UV Resistance which is a minimum value.
- Evaluation to be on 50mm strip tensile specimens per ASTM D-5035 after 500 lt. hrs. exposure.
- Class 1500 is not included in the specification but derived from Class 1000 and Class 2000.

Fibertex geotextiles are manufactured to ISO 9001:2008 quality management procedures.

The information contained in this publication is provided in good faith and to the best of our knowledge is true and accurate. Fibertex South Africa reserves the right to make technical modifications to their products without notice.



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