

(EN ISO): **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.

SPECIFICATIONS

Effective as of: 15.08.2017

| | | | F-22 sa | F-25 sa | F-30 sa | F-32 sa | F-34 sa | F-46 sa | F-50 sa | F-55 sa | | |
|---------------------------------|-------------------|--------------------|--|---------|---------|---------|---------|---------|---------|---------|--------------------|--|
| Durability Properties | | | | | | | | | | | | |
| UV | | | To be covered within 1 month after installation. | | | | | | | | EN 12224: 2000 | |
| Durability | | | Predicted to be durable for a service life of 100 years in natural soils with $4 \leq \text{pH} \leq 9$ and soil temperatures $\leq 25^\circ\text{C}$ on the basis of the results of test method EN ISO 13438 procedure A. | | | | | | | | EN ISO 13348: 2004 | |
| Physical Properties | | | | | | | | | | | | |
| Thickness | At 2 kPa | mm | 0.7 | 0.7 | 0.8 | 0.9 | 1.0 | 1.2 | 1.6 | 1.8 | EN ISO 9863:2005 | |
| Mechanical Properties | | | | | | | | | | | | |
| Static Puncture Strength | CBR Test | N | 1 500 | 1 700 | 2 000 | 2 100 | 2 600 | 3 600 | 3 900 | 4 500 | EN ISO 12236:2006 | |
| Elongation at break | | % | >45 | >45 | >45 | >45 | >45 | >45 | >45 | >45 | EN ISO 12236:2006 | |
| Tensile Strength | MD/CMD | kN/m | 8/8 | 10/10 | 11/11 | 12/12 | 15/15 | 21/21 | 23/23 | 26/26 | EN ISO 10319:2008 | |
| Elongation at Break | | % | 40-65 | 40-65 | 40-65 | 40-65 | 40-65 | 40-75 | 40-75 | 40-75 | EN ISO 1319:2008 | |
| Dynamic Cone Drop | | mm | 28 | 25 | 23 | 20 | 17 | 12 | 12 | 11 | EN ISO 13433:2006 | |
| Hydraulic Properties | | | | | | | | | | | | |
| Water Flow | 50mm Water Head | l/s/m ² | 106 | 77 | 71 | 54 | 54 | 27 | 43 | 25 | EN ISO 11058:2010 | |
| Permeability | 50mm Water Head | m/s | 0.10 | 0.07 | 0.07 | 0.05 | 0.05 | 0.03 | 0.04 | 0.02 | EN ISO 11058:2010 | |
| Permittivity | 50mm Water Head | sec ⁻¹ | 2.13 | 1.55 | 1.43 | 1.08 | 1.08 | 0.60 | 0.87 | 0.50 | EN ISO 11058:2010 | |
| Pore Size | O ₉₀ % | micron | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | EN ISO 12956:2010 | |
| Roll Dimensions | | | | | | | | | | | | |
| Widths | Maximum | m | 6.0 | | | | | | | | | |
| Length | Standard | m | 150 | | | | | 100 | | | | |
| Roll Diameter | Approx. | cm | 34 | 36 | 37 | 40 | 43 | 40 | 42 | 44 | | |

An "M" in the Fibertex product code indicates it is needle punched only, and has not undergone thermal treatment.

Fibertex geotextiles are manufactured to ISO 9001:2008 quality management procedures.
The above values represent Typical values based on current production test results.

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.

KZN: (T) +27 (0)31 736 7100
(E) salesza@fibertex.com

GAUTENG: (T) +27 (0)11 965 0205
(E) tenders@geotextilesafrica.co.za

W CAPE: (T) +27 (0)21 701 3569
(E) adminct@geotextilesafrica.co.za



www.fibertex.com / www.geotextilesafrica.co.za

** GEOTEXTILES • GEOGRIDS • SUBSOIL DRAINAGE PIPE & FITTINGS • GEOCELLS • COMPOSITE DRAINAGE SYSTEMS • GABIONS & MATTRESSES
• CUSPATED SHEETS • GEOBAGS • GCLs • GEOMEMBRANE

Fibertex Geotextiles

GEOSYNTHETIC SOLUTIONS **



(EN ISO): **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.

SPECIFICATIONS

Effective as of: 15.08.2017

| | | | F-400M sa | F-500M sa | F-550M sa | F-750M sa | F-1000M sa | F-1200M sa | |
|---------------------------------|-----------------|--------------------|--|-----------|-----------|-----------|------------|------------|--------------------|
| Durability Properties | | | | | | | | | |
| UV | | | To be covered within 1 month after installation. | | | | | | EN 12224: 2000 |
| Durability | | | Predicted to be durable for a service life of 100 years in natural soils with $4 \leq \text{pH} \leq 9$ and soil temperatures $\leq 25^\circ\text{C}$ on the basis of the results of test method EN ISO 13438 procedure A. | | | | | | EN ISO 13348: 2004 |
| Physical Properties | | | | | | | | | |
| Thickness | At 2 kPa | mm | 3.4 | 4.2 | 4.4 | 5.5 | 6.5 | 7.0 | EN ISO 9863:2005 |
| Mechanical Properties | | | | | | | | | |
| Static Puncture Strength | CBR Test | N | 4 500 | 6 500 | 7 100 | 9 800 | 12 500 | 14 000 | EN ISO 12236:2006 |
| Elongation at break | | % | >55 | >55 | >55 | >55 | >55 | >55 | EN ISO 12236:2006 |
| Tensile Strength | MD/CMD | kN/m | 25.0/28.0 | 30.0/38.0 | 40.0/40.0 | 55.0/60.0 | 70.0/70.0 | 75.0/75.0 | EN ISO 10319:2008 |
| Elongation at Break | | % | >50 | >50 | >50 | >50 | >50 | >50 | EN ISO 1319:2008 |
| Dynamic Cone Drop | | mm | 8 | 4 | 3 | ≤ 1 | 0 | 0 | EN ISO 13433:2006 |
| Hydraulic Properties | | | | | | | | | |
| Water Flow | 50mm Water Head | l/s/m ² | 42 | 38 | 25 | 23 | 16 | 15 | EN ISO 11058:2010 |
| Permeability | 50mm Water Head | m/s | 0.04 | 0.04 | 0.02 | 0.02 | 0.01 | 0.01 | EN ISO 11058:2010 |
| Permittivity | 50mm Water Head | sec ⁻¹ | 0.85 | 0.76 | 0.50 | 0.47 | 0.32 | 0.29 | EN ISO 11058:2010 |
| Pore Size | O90% | micron | 70 | 70 | 70 | 70 | 70 | 70 | EN ISO 12956:2010 |
| Roll Dimensions | | | | | | | | | |
| Widths | Maximum | m | 6.0 | | | | | | |
| Length | Standard | m | 50 | | | | | | |
| Roll Diameter | Approx. | cm | 42 | 48 | 50 | 58 | 61 | 72 | |

An "M" in the Fibertex product code indicates it is needle punched only, and has not undergone thermal treatment.

Fibertex geotextiles are manufactured to ISO 9001:2008 quality management procedures. The above values represent Typical values based on current production test results.

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.



KZN: (T) +27 (0)31 736 7100
(E) salesza@fibertex.com

GAUTENG: (T) +27 (0)11 965 0205
(E) tenders@geotextilesafrica.co.za

W CAPE: (T) +27 (0)21 701 3569
(E) adminct@geotextilesafrica.co.za

www.fibertex.com / www.geotextilesafrica.co.za

** GEOTEXTILES • GEOGRIDS • SUBSOIL DRAINAGE PIPE & FITTINGS • GEOCELLS • COMPOSITE DRAINAGE SYSTEMS • GABIONS & MATTRESSES
• CUSPATED SHEETS • GEOBAGS • GCLs • GEOMEMBRANE