

# Multi-tex®

## Non-woven continuous filament needle punched PET Geotextile



| Typical Mechanical Properties              | Test Method | Units   | Multi-tex® Geotextile Grades |        |        |        |        |
|--|-------------|---------|------------------------------|--------|--------|--------|--------|
|  |             |         | AS150A                       | AS200B | AS270C | AS350D | AS500E |
| Trapezoidal Tear Strength MD               | AS3706.3    | N       | 300                          | 350    | 460    | 540    | 770    |
| Trapezoidal Tear Strength TD               | AS3706.3    | N       | 270                          | 330    | 425    | 510    | 750    |
| CBR Burst Strength                         | AS3706.4    | N       | 1,800                        | 2,300  | 2,950  | 3,600  | 5,800  |
| Drop Cone H50                              | AS3706.5    | mm      | 1,200                        | 1,500  | 2,198  | 2,800  | 4,000  |
| G-Rating (calculated from CBR & Drop Cone) | Austroroads |         | 1,470                        | 1,857  | 2,550  | 3,175  | 4,816  |
| Grab Tensile Strength MD                   | AS3706.2    | N       | 700                          | 900    | 1,250  | 1,755  | 2,450  |
| Grab Tensile Strength TD                   | AS3706.2    | N       | 650                          | 800    | 1,150  | 1,650  | 2,330  |
| <b>Typical Hydraulic Properties</b>        |             |         |                              |        |        |        |        |
| Pore Size (EOS)                            | AS3706.7    | microns | 100                          | 100    | 90     | 80     | 70     |
| Nominal Flow Rate                          | AS3706.9    | l/m2/s  | 180                          | 150    | 120    | 100    | 80     |
| Permittivity                               | AS3706.9    | s-1     | 1.8                          | 1.5    | 1.2    | 1.1    | 0.8    |
| <b>Typical Physical Properties</b>         |             |         |                              |        |        |        |        |
| Roll Sizes                                 | m x m       |         | 2x50                         | 2x50   |        |        |        |
|  | m x m       |         | 4x50                         | 4x50   | 4x50   |        |        |
|  | m x m       |         | 6x200                        | 6x150  | 6x100  | 6x75   | 6x50   |

| Multi-tex® conforms to NZTA TNZ F/7 (2003) Geotextile Filtration Classes 1-4 and Strength Classes. |              |         | Strength Class | A      | B      | C      | D      | E |
|--|--------------|---------|----------------|--------|--------|--------|--------|---|
| Trapezoidal Tear Strength Q Value  | NZTA TNZ F/7 | N       | >180           | >250   | >350   | >450   | >650   |   |
| Grab Tensile Strength Q Value  | NZTA TNZ F/7 | N       | >500           | >700   | >900   | >1200  | >1600  |   |
| G-Rating Q Value   | NZTA TNZ F/7 |         | >900           | >1,350 | >2,000 | >3,000 | >4,500 |   |
| Flow Rate  | NZTA TNZ F/7 | l/m2/s  | >50            | >50    | >50    | >50    | >50    |   |
| Pore Size (EOS)  | NZTA TNZ F/7 | microns | <180           | <180   | <180   | <180   | <180   |   |

### For guidance regarding geotextile usage, application & installation - refer to NZTA TNZ F/7 & Notes (2003)

Multi-tex® is manufactured by TMP Geosynthetics® under ISO 9001 Certified Quality procedures and tested to Australian Standards to meet the requirements of NZTA TNZ F/7 (2003). GPIL conduct reference testing by independent third party laboratories for compliance monitoring. Values shown are Minimum Average Roll Values (MARV) being the 97.7% confidence level (mean minus 2 x standard deviations). NZTA TNZ F/7 values are characteristic "Q" values (mean minus 0.83 standard deviations) being a 95% confidence level of the lot tested in accordance with TNZ F/7 for strength class and filtration classes 1 to 4. Test properties shown above may be amended from time to time as part of continuous development.

PET (polyester) geotextiles are unaffected by bacteria and fungi and are resistant to normal soil conditions. High alkaline or high pH conditions should be specifically site tested.

Multi-tex® is a trademark of Geosynthetic Partners International Ltd (GPIL).

The information contained herein is intended as a general guide to the properties of the product and are not to be considered a design or fit for any particular purpose other than the applications shown in NZTA TNZ F/7 (2003). GPIL accept no liability for any loss or damage, or consequential damage, however arising, from the direct or indirect use or reliance on such information. The information presented herein and in any supporting documentation or that referenced to in any website is, to the best of our knowledge and belief, correct and is subject to periodic review and revision. The validity of information relative to all necessary engineering or any other conditions must be ascertained by a suitably qualified person. No warranty is either expressed or implied.



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