

## mastaTEX® (PET) Non-Woven



### APPLICATIONS

- Pavement Stabilisation
- Subgrade Separation
- Slope Stabilisation
- Liner Protection

mastaTEX® Non-Woven is a non-woven needle-punched geotextile made from polyester, providing separation, filtration, protection or reinforcement functions in engineering projects. It enhances the performance and design life of granular layers by providing the filtration and separation functions.

mastaTEX® provides specific advice and recommendations in construction through specialist laboratories and technical support.

mastaTEX® F Range is manufactured in accordance to ISO 9001:2008.

| CODE        | All prices +GST |               |             |         |
|-------------|-----------------|---------------|-------------|---------|
|             | 30,000+         | 10,000-29,999 | 3,000-9,999 | 1-2,999 |
| <b>PF14</b> | \$0.74          | \$0.81        | \$0.89      | \$0.97  |
| <b>PF24</b> | \$0.88          | \$0.95        | \$0.99      | \$1.05  |
| <b>PF34</b> | \$1.05          | \$1.13        | \$1.20      | \$1.28  |
| <b>PF44</b> | \$1.48          | \$1.55        | \$1.66      | \$1.80  |
| <b>PF54</b> | \$2.37          | \$2.54        | \$2.74      | \$2.97  |
| <b>PF64</b> | \$2.48          | \$2.67        | \$2.88      | \$3.12  |

### mastaTEX® PET Non-Woven Specifications

| Mechanical Properties       | Standard    | Units               | Stats   | PF14/A        |      | PF24/B        |      | PF34/C    |      | PF44/D |      | PF54/E |      |
|-----------------------------|-------------|---------------------|---------|---------------|------|---------------|------|-----------|------|--------|------|--------|------|
| Tensile Strength MD/CD      | AS3706.2-12 | kN/m                | Typical | 11.0          | 10.0 | 15.0          | 14.0 | 20.0      | 18.0 | 26.0   | 25.0 | 35.0   | 33.0 |
| Tear Strength MD/CD         | AS3706.3-12 | N                   | Typical | 280           | 270  | 350           | 340  | 460       | 450  | 590    | 560  | 850    | 820  |
| CBR Burst Strength          | AS3706.4-12 | N                   | Typical | 1750          |      | 2540          |      | 3300      |      | 4200   |      | 5600   |      |
| G Rating                    | Austrroads  | -                   | Typical | 1300          |      | 2000          |      | 2600      |      | 3400   |      | 5000   |      |
| Grab Tensile MD/CD          | AS3706.2-12 | N                   | Typical | 600           | 580  | 950           | 890  | 1200      | 1100 | 1700   | 1600 | 2200   | 2100 |
| UV Resistance               | ASTM D4355  | %                   | Typical | >50 Retained  |      |               |      |           |      |        |      |        |      |
| <b>Hydraulic Properties</b> |             |                     |         |               |      |               |      |           |      |        |      |        |      |
| Flow Rate @ 100mm Head      | AS3706.9-12 | l/m <sup>2</sup> /s | Typical | 200           |      | 200           |      | 180       |      | 130    |      | 90     |      |
| Permittivity                | AS3706.9-12 | s <sup>-1</sup>     | Typical | 2.2           |      | 2.0           |      | 1.8       |      | 1.3    |      | 0.9    |      |
| Pore Size O <sub>95</sub>   | AS3706.9-12 | micron              | Typical | <150          |      | <120          |      | <120      |      | <110   |      | <90    |      |
| <b>Product Dimensions</b>   |             |                     |         |               |      |               |      |           |      |        |      |        |      |
| Roll Length                 |             | M                   |         | 100 / 250     |      | 200           |      | 150       |      | 100    |      | 75     |      |
| Roll Width                  |             | M                   |         | 2 / 3 / 4 / 6 |      | 2 / 3 / 4 / 6 |      | 2 / 4 / 6 |      | 3 / 6  |      | 6      |      |

The specification is compiled from MQA testing. To ensure this is current, contact Polyfabrics

MD = Machine Direction; CD = Cross Machine Direction;

Typical Values = Arithmetic Mean (50% will exceed value & 50% will not); MARV = Minimum Average Roll Value (Typical less 2 standard deviations or 97.5% will exceed this value)

The information contained herein is to the best of our knowledge accurate.

As part of our continual improvement, Polyfabrics reserve the right to amend the properties in this data sheet without prior notice.