

# Propex® GEOTEXTILE

## POLYPROPYLENE NEEDLE PUNCHED NONWOVEN GEOTEXTILE FABRICS

### TYPICAL PROPERTIES

| GRADE                                       | TEST METHOD | UNITS               | AS 351  | AS 401  | AS 451  | AS 501  | AS 601  | AS 701  | AS 801  | AS 1001 | AS 1071 | AS 1201 | AS 1601 |
|---|-------------|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>TYPICAL MECHANICAL PROPERTIES</b>        |             |                     |         |         |         |         |         |         |         |         |         |         |         |
| Trapezoidal Tear Strength                   | AS 3706.3   | N                   | 250     | 280     | 305     | 350     | 380     | 420     | 460     | 560     | 640     | 750     | 950     |
| CBR Burst Strength                          | AS 3706.4   | N                   | 1200    | 1450    | 1890    | 2220    | 2310    | 2630    | 3035    | 3665    | 4100    | 5100    | 6200    |
| Drop Cone $h_{50}$                          | AS 3706.5   | mm                  | 950     | 1100    | 1650    | 1750    | 1990    | 2400    | 2650    | 3260    | 3750    | 3960    | 5600    |
| G-Rating                                    | Austrroads  | -                   | 1070    | 1260    | 1765    | 1970    | 2145    | 2510    | 2830    | 3455    | 3920    | 4490    | 5890    |
| Grab Tensile Strength                       | AS 2001.2.3 | N                   | 490     | 560     | 700     | 780     | 870     | 960     | 1180    | 1535    | 1600    | 1950    | 2340    |
| <b>TYPICAL HYDRAULIC PROPERTIES</b>         |             |                     |         |         |         |         |         |         |         |         |         |         |         |
| Pore Size $O_{95}$                          | AS 3706.7   | microns             | 120     | 110     | 110     | 110     | 100     | 100     | 90      | 75      | 75      | 75      | 75      |
| Nominal Flow Rate $Q_{100}$                 | AS 3706.9   | l/m <sup>2</sup> /s | 250     | 250     | 230     | 220     | 200     | 135     | 130     | 100     | 90      | 80      | 70      |
| Permittivity                                | AS 3706.9   | s <sup>-1</sup>     | 2.5     | 2.5     | 2.3     | 2.2     | 2.0     | 1.35    | 1.3     | 1.0     | 0.9     | 0.8     | 0.7     |
| <b>TYPICAL PHYSICAL PROPERTIES</b>          |             |                     |         |         |         |         |         |         |         |         |         |         |         |
| Mass  | AS 3706.1   | g/m <sup>2</sup>    | 120     | 136     | 155     | 170     | 205     | 240     | 272     | 330     | 360     | 410     | 545     |
| Standard Roll Size (others sizes available) | -           | m                   | 4 x 300 | 4 x 250 | 4 x 225 | 4 x 200 | 4 x 175 | 4 x 140 | 4 x 115 | 4 x 100 | 4 x 100 | 4 x 80  | 4 x 60  |
| Nominal Roll Weight                         | -           | kg                  | 144     | 136     | 140     | 136     | 144     | 134     | 125     | 132     | 136     | 132     | 132     |



DISTRIBUTORS OF :

- Geotextiles**
- Geogrids**
- Dewatering Tubes**
- Subsoil Drainage**
- Wick Drains**
- Erosion Control**
- Gabions & Rock Mattresses**
- Industrial Fabrics**
- Lining Systems**



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Propex geotextiles are manufactured to ISO 9001 quality assurance procedures. Propex geotextiles are made from polypropylene filaments that are highly durable and resistant to all natural occurring soil acids and alkalis. Polypropylene geotextiles are unaffected by bacteria and fungi. Properties of Propex geotextiles are typical values and correspond to average values derived from in house and independent laboratory testing.

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