MACCAFERRI

# TECHNICAL DATA SHEET

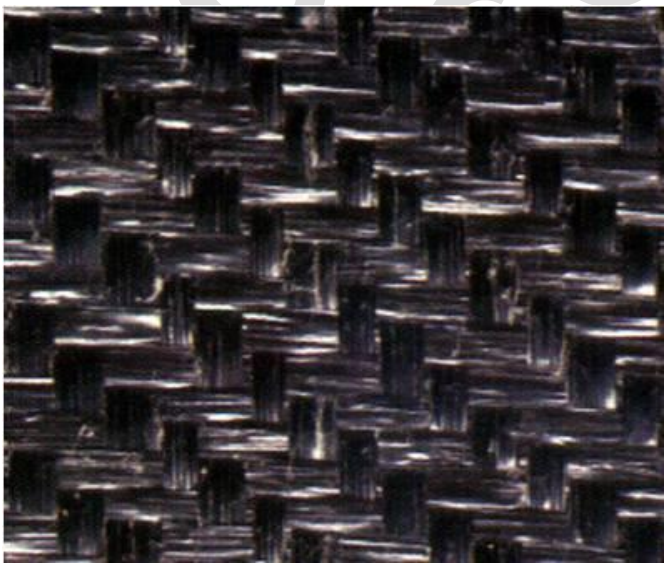
*Rev: 03a, Date 08.07.2024*

# MACTEX® W1

## WOVEN POLYPROPYLENE GEOTEXTILES

| MacTex® W1 | | | 065 S |
|---|---|---|---|
| **Mechanical and Hydraulic properties** | | | |
| Tensile strength (MD) | EN ISO 10319 | kN/m | 65 |
| Tolerance | | | - 5 |
| Strain at max load (MD) | EN ISO 10319 | % | 15 |
| Tolerance | | | ± 3 |
| Tensile strength (CD) | EN ISO 10319 | kN/m | 65 |
| Tolerance | | | - 5 |
| Strain at max load (CD) | EN ISO 10319 | % | 12 |
| Tolerance | | | ± 2 |
| Static Puncture Resistance - CBR | EN ISO 12236 | N | 8000 |
| Tolerance | | | - 500 |
| Dynamic Perforation Resistance - Cone Drop | EN ISO 13433 | mm | 10 |
| Tolerance | | | + 2 |
| Permeability - normal to plane | EN ISO 11058 | m/sec | 0.017 |
| Tolerance | | | -0.004 |
| Pore Opening Size $O_{90}$ | EN ISO 12956 | µm | 225 |
| Tolerance | | | ± 60 |
| **Physical Properties (typical)** | | | |
| Warp and Weft Polymers | | | Polypropylene |
| Roll width | | m | 5.20 (- 0.01) |
| Roll length | | m | 100 (- 2) |
| Durability | EN ISO 13438 | | The geotextile has to be covered within one month; it is durable up to 100 years in natural soils with 4≤ph≤9 and soil temperature |

MacTex® W1 geotextiles are planar woven structures manufactured by weaving polypropylene tapes in the warp and the weft directions .



NOTE

- The material can also be produced in different roll dimensions according to client requirements.
- Standard product is 5.2m wide roll for efficiency of shipping. Products manufactured to order are non-returnable and delivery times are to be advised.
- The above products illustrate our basic range. Other strengths can be produced to suit client requirements. Please contact us for further information.
- The Constant Head Permittivity Test was performed at 50mm.



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