

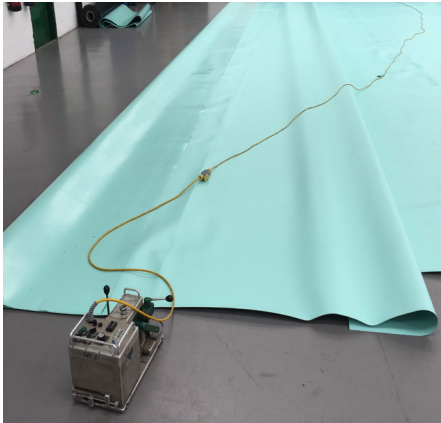
Specialist Geomembranes



Technical Data Sheet

Polypropylene

Suitable for waterproofing tanks & approved for drinking water applications



- A synthetic thermoplastic membrane stabilised with a sheet of glass fibre.
- Ideal for use with salt or fresh water applications.
- Can be used with low concentrations of liquid chemicals.
- Dual colour sheet: Light green (upper) treated against UV rays and Black (underside) highly resistant to puncture or perforation by roots and other debris.
- Available in a variety of thicknesses to suit the application.
- CE marked in accordance with EN 13361:2004 and EN 13362:2005
- The material carries the appropriate regulation 31 (4)(a) approval for drinking water reservoir baffle curtains.
- Non toxic to aquatic life.
- Excellent resistance to UV rays, puncture or perforation.

The information herein is based upon data obtained by the manufacturer and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.

| Material Properties | Unit | Test Method | DWI 1.2 | DWI 1.5 | DWI 1.8 | DWI 2.0 |
|---|---|-------------------------|---|----------|---------|---------|
| Thickness | mm | EN 1849-2 | 1.2 ±5% | 1.5 ±5% | 1.8 ±5% | 2.0 ±5% |
| Mass per unit area | Kg/m ² | EN 1849-2 | 1.26 | 1.58 | 1.89 | 2.10 |
| Tensile strength | N/mm ² | EN 527-3 | >9 | | | |
| Breaking strength | % | EN 527-3 | ≥550 | | | |
| Cold bending | °C | EN 495-5 | ≤-40 | | | |
| Water permeability after 6 hrs at 0.5Mpa | - | EN 1928 (B) EN 14150 | Watertight < 10 ⁻⁴ m ³ m ² d ⁻¹ | | | |
| Resistance to perforation by roots | | CEN TS 14416 | No perforation | | | |
| Tear resistance | N/mm | ISO 34 (sample) | ≥45 | | | |
| Static puncture resistance | N | EN 12236 | ≥750 | ≥1000 | ≥1200 | ≥1350 |
| Durability | | | | | | |
| Oxidation, variation in tensile properties | % | EN 14575 | ≤25 | | | |
| Weathering, variation in tensile properties | % | EN 12224 | ≤25 | | | |
| Resistance to Leaching | | | | | | |
| Variation in tensile strength | % | EN 14415 (A & B) | <25 | | | |
| Mass loss | % | | <5 | | | |
| Production Standard | | | | | | |
| Number of rolls per pallet | - | - | 23 | 23 | 18 | 18 |
| Roll length / Width | m | - | 25 x 2.1 | 20 x 2.1 | | |
| Colours available | Light green (surface) / Black (underside) | | | | | |

Sheets can be welded together using hot air / hot wedge methods. Tears or damage to the light green upper side can easily be seen due to the black underside. The manufacturing process for this material means it can offer high resistance to ageing and weathering, maintaining its flexibility along with high mechanical and chemical resistance properties.



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