

Aqua 24

DATA SHEET

Aqua 24 (mil) is a black heavyweight fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. For use in geomembrane applications such as soil remediation, pond lining, canal lining, landfill covers, nursery liners and any long term non-hazardous liquid containment.

The Aqua 24 provides one of the longest term warranties in the industry at 20 years & at the lowest prices available in the market today.

Aqua 24 has excellent tear and good u.v. resistance. It's very easy to heat weld together into large panels to meet the customer's needs.

Fabric Specifications

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|-----------|---|
| WEAVE | Woven black HDPE scrim |
| COATING | 4.0 mil average each side (94 g/m ² , each side) |
| COLOR | White/Black or other coloured coatings available |
| WEIGHT | 12.0 oz/yd ² (409 g/m ²) +/- 5% |
| THICKNESS | 24 mils (.61 mm) +/- 10% ASTM D5199 |
| LONGEVITY | 10 year or more exposed, 20 years buried |

Performance

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|------------------------------|--|--------|--------|----------|--------|--------|--------------------------------|
| GRAB TENSILE | Warp | 350 lb | 1557 N | Weft | 340 lb | 1511 N | ASTM D5034 -95 |
| TONGUE TEAR | Warp | 110 lb | 489 N | Weft | 110 lb | 489 N | ASTM D2261 -96 |
| TRAPEZOIDAL TEAR | Warp | 90 lb | 400 N | Weft | 90 lb | 400 N | ASTM D4533 -04 |
| MULLEN BURST | 670 psi | | | 4623 kPa | | | ASTM D3786 -01 |
| HYDROSTATIC RESISTANCE | 424 psi | | | 2927 kPa | | | ASTM D751 -00 |
| MOISTURE VAPOUR TRANSMISSION | 0.47 g/m ² /24 hour (0.07 perms) | | | | | | ASTM E96, pr. B |
| PERMEABILITY | <1.3 x 1 0 ⁷ cm/sec | | | | | | ASTM D4491 |
| PUNCTURE RESISTANCE, INDEX | 205 lb | | | 912 N | | | ASTM D4833 -07 |
| ACCELERATED UV WEATHERING | >90 % strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hours exposure @1.35 W/m ² /nm. | | | | | | ASTM G151 -00 ASTM G154 -04 |

¹Q.U.V. [A-340 Lamps]: 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C

These values are typical data and are not intended as limiting specifications.