

HydraFlex Pond Liner GEOMEMBRANE

SPECIFICATION SHEET



HydraFlex is a heavyweight fabric incorporating a special weave pattern to enhance puncture, flatness, and tear properties. The coating formula is designed to improve toughness and abrasion resistance. This product is intended for exposed applications up to 10 years.

Typical Applications

- Dam, pond, channel liner
- Agriculture pits and ponds
- Floating covers
- Bunding
- Erosion control - embankment stabilisation
- Biogas
- Baffle curtains

Specifications

- **Weave:** Woven black HDPE scrim
- **Coating:** LDPE, 4 mil average each side (95 g/m²/side)
- **Color:** Black
- **Weight:** 309 g/m² (± 5 %)
- 10 year warranty against UV degradation

PUBLICATION DETAILS

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TECHNICAL SPECIFICATIONS

Weight	309 g/m ² , ± 5%
Thickness (ASTM D1777)	Nominal 0.75 mm ± 10%
Grab Tensile Strength (ASTM D7004)	MD: 1252 N, TD: 1421 N
Strip Tensile Strength (ASTM D7003)	MD: 22.6 kN/5 cm TD: 16.8 kN/5 cm
Tongue Tear-large scale (ASTM D5884)	MD: 311 N, TD: 377 N
Mullen Burst (ASTM D751)	4031 kPa
Hydrostatic Resistance (ASTM D751)	2914 kPa
Puncture Resistance (ASTM D4833)	733 N
CBR Static Puncture (ASTM D6241)	4551 N

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