

ArmorLiner® 24

11.5 OZ GEOMEMBRANE



PRODUCT DESCRIPTION

A heavyweight fabric that incorporates a special weave pattern to enhance puncture, flatness, and tear properties. The coating recipe is designed to improve toughness and abrasion resistance for exposed applications up to 10 years.

RECOMMENDED APPLICATIONS

Decorative Ponds, Canal Reservoirs, Containment Liners

PRODUCT DIMENSIONS

Cores 4 inch I.D. or 5 inch I.D. available (10 cm or 13 cm)
Width Up to 150 in (381 cm) (-0, +0.5) as ordered
Length Minimum 250 yds/roll (229 m); up to 1000 yds/roll (914 m)

PRODUCT SPECIFICATIONS

Weave Woven black HDPE scrim
Coating LDPE, 3.5 mil average each side (83 g/m²/side)
Color White, black or other colored coatings available
Weight 11.5 oz/yd² (390 g/m²) ± 5 %



Certified to NSF/ANSI 61

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

PERFORMANCE PROPERTIES

The following data are typical values based on ASTM standard tests. This data should not be considered specification.

Thickness ASTM D1777	Nominal 24 mil (0.60 mm) ± 10%
Grab Tensile (N) ASTM D7004	MD 350 lb (1554) TD 335 lb (1487)
Strip Tensile (N/5cm) ASTM D7003	MD 245 lb/in (2176) TD 250 lb/in (2220)
Tongue Tear—large scale (N) ASTM D5884	MD 110 lb/in (488) TD 110 lb/in (488)
Mullen Burst ASTM D751	525 psi (3617 kPa)
MVTR ASTM E96 Proc. BW	0.17 g/m ² · 24hr (0.024 perms)
Hydraulic Conductivity (Permeability) Calculated from MVTR	6.94 x 10 ⁻¹⁵ cm/s
Hydrostatic Resistance ASTM D751	425 psi (2928 kPa)
Puncture Resistance ASTM D4833	182 lb (808 N)
CBR Static Puncture ASTM D6241	1157 lb (5137 N)
Carbon Black Content ASTM D4218	3 %
Dimensional Stability ASTM D1204	MD -2.7% TD -1.4%
Low Temperature Flex ASTM D2136	MD & TD: Pass @ -65°C (-85°F)
HP-OIT ASTM D5885 (Measured on coating formulation)	1071 minutes
Accelerated UV Weatheringⁱ ASTM D7238	>90% tensile strength retention after 10,000 light hours

MD = Machine Direction. TD = Transverse Direction

ⁱ Q.U.V [A-340 Lamps]; 20 hrs UV @ 75°C; 4 hrs condensation @ 60°C



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