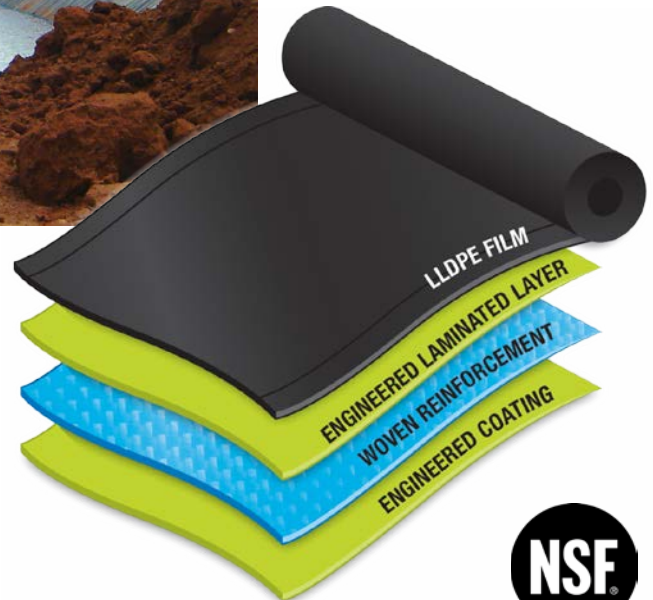


ArmorLiner® 30SFL

14.7 OZ GEOMEMBRANE



Certified to
NSF/ANSI 61

PRODUCT DESCRIPTION

A heavyweight fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. This product has a one side laminated LDPE/LLDPE film. The coating recipe is designed to improve toughness and abrasion resistance. This product is intended for long term buried or exposed applications.

RECOMMENDED APPLICATIONS

Hydraulic fracturing, tank liners, water reservoirs, heavy-duty containment projects

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 2.4 mil (57 g/m²/side)
Film 5.5 mil LDPE/LLDPE (0.14 mm)
Weight 14.7 oz/yd² (498 g/m²) ± 5%

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 30 mil (0.75 mm) ± 10%
Grab Tensile (N) ASTM D7004	MD 410 lb (1820) TD 400 lb (1776)
Strip Tensile (N/5cm) ASTM D7003	MD 260 lb/in (2309) TD 260 lb/in (2309)
Tongue Tear—large scale (N) ASTM D5884	MD 79 lb (351) TD 81 lb (360)
Mullen Burst ASTM D751	622 psi (4289 kPa)
MVTR ASTM E96 Proc. BW	0.103 g/m ² ·24hr (0.014 perms)
Hydraulic Conductivity (Permeability) Calculated from MVTR	5.09 x 10 ⁻¹⁵ cm/s
Hydrostatic Resistance ASTM D751	635 psi (4375 kPa)
Puncture Resistance ASTM D4833	195 lb (866 N)
CBR Static Puncture ASTM D6241	1272 lb (5658 N)
Carbon Black Content ASTM D4218	3 %
Dimensional Stability ASTM D1204	MD -2.9% TD -1.0%
Low Temperature Flex ASTM D2136-94	MD & TD: Pass @ -65°C (-85°F)
HP-OIT ASTM D5885 (Measured on coating formulation)	3048 minutes
Accelerated UV Weathering¹ ASTM D7238	>90% strength retention after 10,000 light hours

MD = Machine Direction. TD = Transverse Direction

¹ Q.U.V [A-340 Lamps]; 20 hrs UV @ 75°C; 4 hrs condensation @ 60°C



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