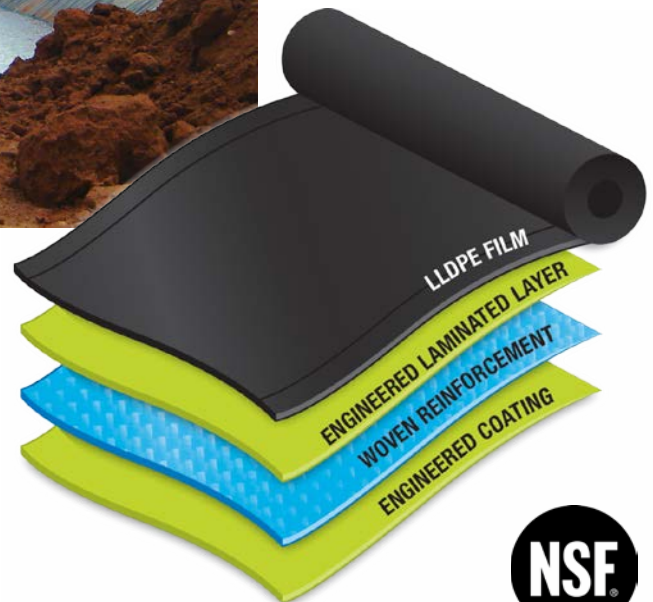


ArmorLiner® 40SFL

18 OZ GEOMEMBRANE

Pro Forma Data Sheet – Based on Limited Data



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 500 yds/roll (457 m)

PRODUCT SPECIFICATIONS

Weave Woven black HDPE scrim
Coating 4.0 mil (95 g/m²)
Film 5.5 mil LDPE/LLDPE (0.14 mm)
Weight 18.0 oz/yd² (610 g/m²) ± 5%



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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 40 mil (1.0 mm) ± 10%
Grab Tensile (N) ASTM D7004	MD 590 lb (2624) TD 570 lb (2535)
Strip Tensile (N/5cm) ASTM D7003	MD 360 lb/in (3152) TD 360 lb/in (3152)
Tongue Tear—large scale (N) ASTM D5884	MD 85 lb (378) TD 125 lb (556)
Mullen Burst ASTM D751	780 psi (5382 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	730 psi (5033 kPa)
Puncture Resistance ASTM D4833	260 lb (1156 N)
CBR Static Puncture ASTM D6241	1375 lb (6145 N)
Carbon Black Content ASTM D4218	3 %
Dimensional Stability ASTM D1204	MD -3.3% TD -2.5%
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 Weatheringⁱ ASTM D7238	>90% 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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