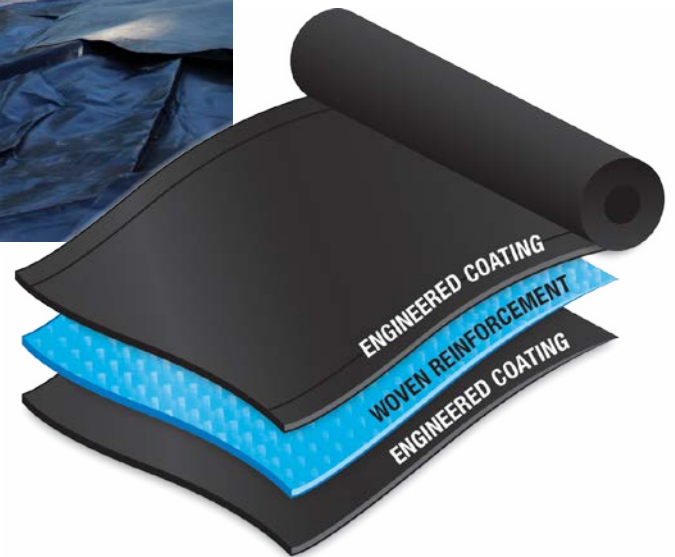


NovaLiner® 40

14.2 OZ GEOMEMBRANE



NOVA LINER®



PRODUCT DESCRIPTION

A heavyweight, reinforced polyethylene material with ½ the weight of standard 40 mil non-reinforced HDPE, but with double the physical strength properties. The coating recipe is designed to improve toughness and abrasion resistance. This product is intended for exposed applications up to 15 years.

RECOMMENDED APPLICATIONS

Permanent Landfill Covers, Containment Liners, Canal 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, 4 mil average each side (95 g/m²/side)
Color White, black or other colored coatings available
Weight 14.2 oz/yd² (481 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 40 mil (1.0 mm) ± 10%
Grab Tensile (N) ASTM D7004	MD 460 lb (2042) TD 490 lb (2146)
Strip Tensile (N/5cm) ASTM D7003	MD 285 lb/in (2531) TD 350 lb/in (3108)
Tongue Tear—large scale (N) ASTM D5884	MD 90 lb (400) TD 120 lb (533)
Mullen Burst ASTM D751	835 psi (5753 kPa)
MVTR ASTM E96 Proc. BW	0.189 g/m ² · 24hr (0.02 perms)
Hydraulic Conductivity (Permeability) Calculated from MVTR	1.37 x 10 ⁻¹⁴ cm/s
Hydrostatic Resistance ASTM D751	612 psi (4217 kPa)
Puncture Resistance ASTM D4833	210 lb (932 N)
CBR Static Puncture ASTM D6241	1558 lb (6918 N)
Carbon Black Content ASTM D4218	3 %
Dimensional Stability ASTM D1204	MD -3.7% TD -2.1%
Low Temperature Flex ASTM D2136	MD & TD Pass @ -65°C (-85°F)
HP-OIT ASTM D5885 (Measured on coating formula)	2880 minutes
Accelerated UV Weatheringⁱ ASTM D7238	>90% tensile strength retention after 2000 light hours

MD = Machine Direction. TD = Transverse Direction.

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

Please contact your IPG representative for warranty details.



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