

NovaLiner® 12 5.2 OZ GEOMEMBRANE



NOVA LINER®



PRODUCT DESCRIPTION

A medium weight fabric incorporating a new coating recipe designed to improve toughness and abrasion resistance.

RECOMMENDED APPLICATIONS

Grain Covers, Temporary Landfill Covers, Short-term 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 2000 yds/roll (1828 m)

PRODUCT SPECIFICATIONS

- Weave** Woven black HDPE scrim
- Coating** LDPE, 1.5 mil average each side (35.6 g/m²/side)
- Color** Black or colored coatings available
- Weight** 5.2 oz/yd² (176 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 12 mil (0.30 mm), ± 10% |
| Grab Tensile (N) ASTM D7004 | MD 180 lb (799) TD 125 lb (555) |
| Strip Tensile (N/5cm) ASTM D7003 | MD 140 lb/in (1243) TD 100 lb/in (888) |
| Tongue Tear—large scale (N) ASTM D5884 | MD 50 lb (222) TD 50 lb (222) |
| Mullen Burst ASTM D751 | 275 psi (1895 kPa) |
| MVTR ASTM E96 Proc. BW | 0.35 g/m ² · 24hr (0.05 perms) |
| Hydraulic Conductivity (Permeability) Calculated from MVTR | 1.37 x 10 ⁻¹⁴ cm/s |
| Hydrostatic Resistance ASTM D751 | 130 psi (896 kPa) |
| Puncture Resistance ASTM D4833 | 76 lb (337 N) |
| CBR Static Puncture ASTM D6241 | 530 lb (2353 N) |
| Carbon Black Content ASTM D4218 | 3 % |
| Dimensional Stability ASTM D1204 | MD -2.9% TD -2.2% |
| Low Temperature Flex ASTM D2136 | MD & TD: Pass @ -40°C (-40°F) |
| HP-OIT ASTM D5885 (Measured on coating formulation) | 1330 minutes |
| Accelerated UV Weatheringⁱ ASTM G151 ASTM G154 | >90% strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hrs exposure @ 1.35 W/m ² /nm |

MD = Machine Direction. TD = Transverse Direction.
i Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C

Please contact your IPG representative for warranty details.



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

While we believe them to be reliable, the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability for this purpose. There is no warranty of fitness for a particular purpose. Our standard term and conditions of sale apply exclusively to all orders, and all liability for damages of any kind, including consequential, exceeding purchase price is excluded. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products and publications.