



LINEAR LOW DENSITY POLYETHYLENE GEOMEMBRANES

Solmax UltraFlex geomembranes are produced from high quality linear low-density polyethylene (LLDPE) and are designed to meet or exceed the specifications published by GRI for LLDPE geomembranes (GRI GM 17)¹.

Solmax UltraFlex products are available in a variety of colors such as green for more aesthetic landfill caps and white for a solar reflective upper surface. The upper surface, lower surface, or both surfaces can be textured for use in applications where increased frictional resistance is required. The bottom surface can be comprised of a layer to enable liner integrity surveys to be performed following the installation of the liner.

PREMIUM RAW MATERIALS

Solmax UltraFlex products are manufactured using high quality linear low density polyethylene resins. Carbon black, antioxidants, and UV stabilizers are added to the polymer to ensure long term performance and durability.

BENEFITS OF LINEAR LOW DENSITY POLYETHYLENE

Linear low-density polyethylene (LLDPE) is specifically designed to provide superior flexibility. The break elongation and multi-axial break resistance of Solmax UltraFlex exceeds that of HDPE geomembranes. The geomembrane's ability to deform multi-directionally to relieve stresses in the material enables this product to be ideal for applications where differential settlement is expected such as landfill caps, other closures, and bioreactors.

BENEFITS OF A ROUGHENED SURFACE

A textured geomembrane provides increased frictional resistance that improves the stability of slopes. The ability to use a steeper slope provides cost savings by increasing the capacity of the project. Solmax products can be manufactured with a black, green, or white textured surface on one or both sides of the geomembrane.

ADVANTAGES



- Excellent multi-axial break elongation
- Exceptional flexibility
- Superior geomembrane lifetime
- Superb UV resistance

SOLMAX ULTRAFLEX PRODUCTS



TEXTURE

Solmax UltraFlex textured geomembranes are manufactured to the highest quality standards, ensuring excellent friction performance and durability.

Solmax offers a variety of different textured surfaces in order to have the best friction solution for every application.

Availability to Solmax customers is increased and lead times are minimized.

PROVEN RELIABILITY

Solmax UltraFlex geomembranes have a long history of reliability and proven performance. In addition to their exceptional flexibility, Solmax UltraFlex geomembranes have excellent weldability under a variety of conditions; extrusion and fusion welding can be performed with ease and confidence.

TECHNICAL SUPPORT

The Solmax technical team is available to help solve any issues you have with your project. It is comprised of a multidisciplinary group of professionals with knowledge across a wide range of products and their applications. This includes geomembranes, geosynthetic clay liners, geonets, geocomposites, and woven and nonwoven geotextiles.

APPLICATIONS



- Additional Flexibility is Required
- Solid and Liquid Waste Containment
- Secondary Containment
- Mining
- Pond Lining
- Closure Applications
- Bioreactors

HIGH PERFORMANCE GEOMEMBRANES

For more demanding projects Solmax offers High Performance geomembrane products. Contact your Solmax representative for more information.

¹GRI GM 17 Specifications can be found on the web: <http://www.geosynthetic-institute.org/grispeccs/gm17.pdf>



SOLMAX.COM

Solmax is not a design professional and has not performed any design services to determine if Solmax's goods comply with any project plans or specifications, or with the application or use of Solmax's goods to any particular system, project, purpose, installation or specification.