

# GSE UltraFlex Leak Location Textured Geomembrane

GSE UltraFlex Leak Location Textured Geomembrane is a co-extruded, textured, linear low density polyethylene (LLDPE) geomembrane that contains an integrated, specially formulated conductive layer on the bottom surface of the geomembrane. GSE UltraFlex Leak Location Liner can be tested for post-installation damage utilizing spark testing technology per ASTM D 7240 and and utilizing electrical resistivity testing per ASTM D 7002 on exposed geomembranes and ASTM D 7007 after water or cover soil placement. This product is used in applications that require increased frictional resistance, flexibility and elongation properties where differential or localized subgrade settlements may occur.



## AT THE CORE:

An LLDPE geomembrane that is used in applications requiring increased frictional resistance, flexibility and elongation properties, such as landfill closures and mining applications.

## Product Specifications

These product specifications meet GRI GM17

Tested Property	Test Method	Frequency	Minimum Average Value		
			40 mil	60 mil	80 mil
Thickness, mil Lowest individual reading	ASTM D 5994	every roll	40 36	60 54	80 72
Density, g/cm <sup>3</sup> , (max.)	ASTM D 1505	200,000 lb	0.939	0.939	0.939
Tensile Properties (each direction Strength at Break, lb/in-width Elongation at Break, %	ASTM D 6693, Type IV Dumbbell, 2 ipm G.L. 2.0 in	20,000 lb	60 250	90 250	120 250
Tear Resistance, lb	ASTM D 1004	45,000 lb	22	33	44
Puncture Resistance, lb	ASTM D 4833	45,000 lb	44	66	88
Carbon Black Content <sup>(1)</sup> , % Range	ASTM D 1603*/4218	20,000 lb	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0
Carbon Black Dispersion	ASTM D 5596	45,000 lb	Note <sup>(2)</sup>	Note <sup>(2)</sup>	Note <sup>(2)</sup>
Asperity Height, mil	ASTM D 7466	second roll	18	18	18
Oxidative Induction Time, mins	ASTM D 3895, 200°C; O <sub>2</sub> , 1 atm	200,000 lb	> 100	> 100	> 100
<b>TYPICAL ROLL DIMENSIONS</b>					
Roll Length <sup>(2)</sup> , ft	Double-Sided Textured Single-Sided Textured		700 780	520 540	400 410
Roll Width <sup>(2)</sup> , ft			22.5	22.5	22.5
Roll Area, ft <sup>2</sup>	Double-Sided Textured Single-Sided Textured		15,750 17,550	11,700 12,150	9,000 9,225

NOTES:

- <sup>(1)</sup>GSE Leak Location may have an overall ash content greater than 3.0%. These values apply to the non-conductive black layers.
- <sup>(2)</sup>Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be Category 1 or 2. No more than 1 view from Category 3.
- <sup>(3)</sup>Roll lengths and widths have a tolerance of ±1%.
- GSE UltraFlex Leak Location Textured Geomembrane is available in rolls weighing approximately 4,000 lb.
- All GSE geomembranes have dimensional stability of ±2% when tested according to ASTM D 1204 and LTB of <-77°C when tested according to ASTM D 746.
- \*Modified.

GSE is a leading manufacturer and marketer of geosynthetic lining products and services. We've built a reputation of reliability through our dedication to providing consistency of product, price and protection to our global customers.

Our commitment to innovation, our focus on quality and our industry expertise allow us the flexibility to collaborate with our clients to develop a custom, purpose-fit solution.



**[ DURABILITY RUNS DEEP ]** For more information on this product and others, please visit us at [GSEworld.com](http://GSEworld.com), call 800.435.2008 or contact your local sales office.