

# GSE Leak Location Textured Geomembrane

GSE Leak Location Textured is a co-extruded textured high density polyethylene (HDPE) geomembrane. A textured surface is available on one or both sides for applications that require increased frictional resistance. It contains an integrated, specially formulated conductive layer on the bottom surface of the geomembrane to enable spark testing. GSE Leak Location Textured can be easily tested for post-installation damage using equipment capable of performing spark testing in the field per ASTM D7240. This product is used in applications that require post-installation testing on the liner system to increase the quality of the project.



## AT THE CORE:

An HDPE geomembrane that contains an integrated, specially formulated conductive layer on the bottom surface.

## Product Specifications

These product specifications meet GRI GM13

Tested Property	Test Method	Frequency	Minimum Average Value			
			40 mil	60 mil	80 mil	100 mil
Thickness, mil Lowest individual reading	ASTM D 5994	every roll	40 36	60 54	80 72	100 90
Density, g/cm <sup>3</sup>	ASTM D 1505	200,000 lb	0.940	0.940	0.940	0.940
Tensile Properties (each direction) Strength at Break, lb/in-width Strength at Yield, lb/in-width Elongation at Break, % Elongation at Yield, %	ASTM D 6693, Type IV Dumbbell, 2 ipm  G.L. 2.0 in G.L. 1.3 in	20,000 lb	60 84 100 12	90 126 100 12	120 168 100 12	150 210 100 12
Tear Resistance, lb	ASTM D 1004	45,000 lb	28	42	56	70
Puncture Resistance, lb	ASTM D 4833	45,000 lb	60	90	120	150
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	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>	Note <sup>(2)</sup>
Asperity Height, mil	ASTM D 7466	second roll	18	18	18	18
Notched Constant Tensile Load <sup>(3)</sup> , hr	ASTM D 5397, Appendix	200,000 lb	500	500	500	500
Oxidative Induction Time, mins	ASTM D 3895, 200°C; O <sub>2</sub> , 1 atm	200,000 lb	>100	>100	>100	>100
<b>TYPICAL ROLL DIMENSIONS</b>						
Roll Length <sup>(4)</sup> , ft	Double-Sided Textured		700	520	400	330
	Single-Sided Textured		780	540	410	330
Roll Width <sup>(4)</sup> , ft			22.5	22.5	22.5	22.5
Roll Area, ft <sup>2</sup>	Double-Sided Textured		15,750	11,700	9,000	7,425
	Single-Sided Textured		17,550	12,150	9,225	7,425

NOTES:

- <sup>(1)</sup>GSE Leak Location Textured 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>NCTL for GSE Leak Location Textured is conducted on representative smooth membrane samples.
- <sup>(4)</sup>Roll lengths and widths have a tolerance of ± 1%.
- GSE Leak Location Textured 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.