

Test Method		Units					
Thickness	ASTM D5199	mils.	min 20.0	min 30.0	min 40.0	min 60.0	min 80.0
Resin Density	ASTM D1505	g/cc	< 0.926	< 0.926	< 0.926	< 0.926	< 0.926
Melt Index	ASTM D1238	g/10 min	1	1	1	1	1
Sheet Density	ASTM D1505	g/cc	≤0.939	≤0.939	≤0.939	≤0.939	≤0.939
Carbon Black Content	ASTM D4218	%	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0
Carbon Black Dispersion	ASTM D5596	Category	Cat 1 & Cat. 2	Cat 1 & Cat. 2	Cat 1 & Cat. 2	Cat 1 & Cat. 2	Cat 1 & Cat. 2
OIT Standard	ASTM D3895	min	100	100	100	100	100
Strength at break	ASTM D6693	ppi	76	114	160	228	320
Elongation at Break	ASTM D6693	%	700	750	800	800	800
2% Modulus (max)	ASTM D5323	ppi	1,200	1,800	2,400	3,600	4,800
Tear Resistance	ASTM D1004	lbf	11	16	22	34	45
Puncture Resistance	ASTM D4833	lbf	28	46	62	92	123
Dimensional Resistance	ASTM D1204	%	± 2	± 2	± 2	± 2	± 2
Multi-Axial Tensile	ASTM D5617	%	30	30	30	30	30
STD OIT	ASTM D3895	%	35	35	35	35	35
HP OIT	ASTM D5885	%	60	60	60	60	60
UV Resistance - After 1600 hrs	GRI - GM 11 ASTM D5885	%	35	35	35	35	35

LLD geomembranes are linear low density polyethylene liners with the ability to withstand puncture and UV rays. Tear resistance gives LLD an added degree of protection in the field, making this product a viable solution for many projects.

LLD is heat welded by a trained technician. At WPL Fab we test each panel, accordion fold then roll onto a core, package with a protective layer and apply directions on the outside of the roll for ease of deployment.

Applications

Storm Water Collection, Secondary Containments, Containment Ponds

ATLAS

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